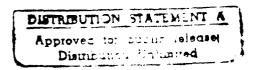UNCLASSIFIED

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Accession #:   16   AD #: 0
TITLE: HEDS Avionics Support - Error Detection & Analysis

Author(s): K.H. Kim, Prof.
Date: 03/01/86   Pages:76   Report #: 0
Corp. Author: Dpet. of Computer Sci. & Eng., Univ. Of South Florida, Tampa,
              Fl 33620
Index Terms: Microcomputer Science Technology Defense Exploration
             Application NASA Development Interceptor Launch Configuration

Accession #:   281   AD #: 0
TITLE: Transportable Programming Language Systems For Distributed
       Environments
Author(s): de Maine, P.A.D.
Date: 08/15/88   Pages:100   Report #: BMDTPL.F05
Corp. Author: Auburn Univ., Auburn Univ. AL 36849

Index Terms: Transportation Language Compiler Target Architecture Parameter
             Conversion Technology Analysis COBAL PASCAL FORTRAN

Accession #:   569   AD #: 0
TITLE: SDI Software Technology Program Plan

Author(s): Jo Linn, C.; Redwine, S.T., Jr.
Date: 06/08/87   Pages:55   Report #: IDA P-1926
Corp. Author: Inst. For Defense Analyses, 1801 N. Beauregard St., Alex., VA
              22311
Index Terms: SDIO Technology DoD Production (BM/C3) Battle Management
             Command Control Communication Weapon

Accession #:   580   AD #: 0
TITLE: Battle Management Algorithms, Task/Milestone Report: Algorithm
       Specification
Author(s): 0
Date: 02/15/87   Pages:60   Report #: LSIS870047
Corp. Author: Logicon

Index Terms: Mission Threat Weapon Target Execution Satellite Arc Node
             Algorithm Solution Orbit Construction Space Battle Management

Accession #:   582   AD #: 0
TITLE: Decision to conduct Demostration/Validation tests of the Battle
       Management/Command and Control, and Communication (BM/C3).
Author(s): Grahm, J.L., Jr.
Date: 07/31/87   Pages:003   Report #: 0
Corp. Author: SDIO, U.S. Department Of Defense

Index Terms: DoD Testing Simulation Analysis Policy (BM/C3) Battle
             Management/Command Control Communication Validation

Accession #:   583   AD #: 0
TITLE: Executive Summary and Final Report for Hostile Booster Trajectory
       Estimation
Author(s): Wright, J.R.
Date: 05/29/87   Pages:55   Report #: RADC/ATA Task No. 001
Corp. Author: Applied Technology Associates, Inc. of Deleware

Index Terms: Algorithm Testing Trajectory Performance Prediction Accuracy
             Linearization Simulation Noise Filter Error Hostile Booster

Accession #:   584   AD #: O
TITLE: Monthly Status Report And Data Accession List for Period Ending 21
          August 1987
Author(s): Kinney, R.M.S.
Date: 09/08/87   Pages:17   Report #: ULW-7-G-494
Corp. Author: Sparta, Inc., 7926 Jones Branch Drive, McLean, Virginia
              22102-3303
Index Terms: Calculation Simulation GBL (Ground Based Laser) Mission Attack
             Defense Battle Threat Cycle Life

Accession #:   586   AD #: O
TITLE: Outline for SDI Security Policy

Author(s): O
Date: 06/19/87   Pages:15   Report #: CDRL-J001
Corp. Author: Sparta Inc., 7926 Jones Branch Drive, McLean, Virginia 22102

Index Terms: Concept Policy Security Hostile Peace Research Force Command
             Control Threat Battle Deployment

Accession #:   597   AD #: O
TITLE: Communications Networking For SDI Applications

Author(s): Powell, N.; Gonnella, J.; Gleich, J.
Date: 02/01/87   Pages:70   Report #: RADC-TR-86-220
Corp. Author: Rome Air Development Cntr., AFSC, Griffiss Air Force Base, NY
              13441-5700
Index Terms: Communication Residue Core Networking Signal Function Scaling
             Optimal CRT (Chinese Remainder Theorem)

Accession #:   598   AD #: O
TITLE: Data Accession List for Period of 31 Aug., 1987

Author(s): O
Date: 08/31/87   Pages:12   Report #: MCR-87-503-09
Corp. Author: Martin Marietta Corporation, P.O. Box 179, Denver, CO 80201

Index Terms: SDIO

Accession #:   602   AD #: O
TITLE: A New Multi-Target Tracking Model

Author(s): Gottsscalk, T.D.
Date: 06/02/87   Pages:30   Report #: O
Corp. Author: Califorina Institute of Technology, Pasenda, Califorina 91125

Index Terms: Target Trajectory BM/C3 Kinematic Hypercube Algorithm
             Evolution Surveillance Weapon

Accession #:   603   AD #: O
TITLE: SDI System Requirements and Rationale

Author(s): Hall, R.W.
Date: 09/15/87   Pages:201   Report #: SIAC No. 1-051-04-461
Corp. Author: SIAC, 1710 Goodridge Dr., P.O. Box 1303, McLean, Virginia
              22102
Index Terms: Design SDI Command Control Mission Transformation Surveillance
             Tracking Discrimination Target Support

Accession #:   604   AD #: O
TITLE: Data Accession List for Period of June 30 1987

Author(s): Vocelka, D.J.
Date: 06/30/87   Pages:09   Report #: MCR-87-503-07
Corp. Author: Martin Marietta Corporation, P.O. Box 179, Denver, CO 80201

Index Terms: SDI Army

Accession #:   627   AD #: O
TITLE: Bimonthly Status Report for Period Ending June 23, 1987

Author(s): Kinney, R.M.S.
Date: 07/15/87   Pages:16   Report #: ULW-7-SDI-457
Corp. Author: Sparta, Inc., 7926 Jones Branch Drive, McLean, Virginia
              22102-0210
Index Terms: Simulation Threat Mission Sensor Evaluation Planning
             Deployment Analysis Battle Response

Accession #:   673   AD #: O
TITLE: Computing Development System (Codes): June 1987

Author(s): O
Date: 06/01/87   Pages:002   Report #: CR-27-1357
Corp. Author: General Research Corporation, 307 Wynn Drive, Huntsville, Al
              35805
Index Terms: Support Computation Methodology Concept SDI

Accession #:   674   AD #: O
TITLE: Strategic Defense Initiatve BM/C3 Working Group for Standards,
       Functional Decomposition: July 1987
Author(s): O
Date: 09/01/86   Pages:33   Report #: O
Corp. Author: AFSC, Electronics System Division, Hanscom AFB, MA 01731

Index Terms: Battle Management Defense Communication SDIO Command
             Surveillance Future Analysis Automation

Accession #:   711   AD #: O
TITLE: Experimental Investigation Of The Momentum Transfer Associated With
       Impact Into Thin Aluminum Targets
Author(s): Nysmith, R.; Denardo, P.
Date: 10/01/69   Pages:16   Report #: NASA TN D-5492
Corp. Author: NASA Ames Research Center, Moffett Field, CA 94035

Index Terms: Transfer Impact Aeronautic Velocit Nitrogen Projectile Blast
             Research Polyethylene Transition

Accession #:   732   AD #: O
TITLE: ABM Treaty Controversy: Crossroads for Arms Control

Author(s): Lowry, M.; Conlon, R.P.
Date: 02/24/87   Pages:19   Report #: 100-4
Corp. Author: U.S. House of Representatives, Democratic Study Group,
              Washington, DC 20515
Index Terms: ABM Treaty Arms Control Ballistic Missile Development
             Deployment Cost Star Wars Negotiation Geneva Soviet Union

Accession #:   812   AD #: 0
TITLE: Software Development Structure: Program Plan

Author(s): Jones, G.M.
Date: 07/01/87   Pages:80   Report #: CDRL A015/B009
Corp. Author: TRW System Development Division, 213 Wynn Drive, Huntsville,
              AL 35805
Index Terms: Control PLanning Design Support Methodology Algorithm
             Integration Testbed Conversion

Accession #:   813   AD #: 0
TITLE: Software Development Structure: Technical Report, Research and
       Development Status Report
Author(s): Jones, G.M.
Date: 07/15/87   Pages:08   Report #: CDRL A016/B010
Corp. Author: TRW System Development Division, 213 Wynn Drive, Huntsville,
              AL 35805
Index Terms: Computation Design Conversion Data Translation Language
             Algorithm Software Methodology Analysis Logic Traffic

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Accession #:   814   AD #: 0
TITLE: Strategic Defense Initiative BM/C3 Architecture Study - Phase II,
       Vol. II, Part 1
Author(s): 0
Date: 02/26/87   Pages:264   Report #: CSD-TR1202A
Corp. Author: Ford Aerospace and Comm. Corp., 10440 State Hwy. 83, Colorado
              Springs, CO 80908
Index Terms: SDI Battle Management Command Control Communication
             Development Analysis Concept Terminal ICBM Launch Node Network

---

Accession #:   816   AD #: 0
TITLE: Significant Activities of the SAIC Team on the Systems Architecture
       and Key Trades (SAKT) Study for May and June 1987
Author(s): 0
Date: 07/20/87   Pages:13   Report #: 0
Corp. Author: SAIC, 1710 Goodbridge Drive, P.O. Box 1303, McLean, Virginia
              22102
Index Terms: Defense Leadership Evaluation Documentation SDIO Methodology

---

Accession #:   817   AD #: 0
TITLE: Significant Activities of the SAIC Team on the Systems Architecture
       and Key Trades (SAKT) Study for September 1987
Author(s): Patterson, K.E.
Date: 10/21/87   Pages:08   Report #: 0
Corp. Author: SAIC, 1710 Goodbridge Drive, P.O. Box 1303, McLean, Virginia
              22102
Index Terms: Analysis Survivability Mission Communication Sensor
             Configuration Hypervelocity Simulation

Accession #:   818   AD #: 0
TITLE: Integrated Architecture Analysis Document Outlines for September 15,
       1987
Author(s): Antsen, P.B.
Date: 09/15/87   Pages:76   Report #: 1-051-04-461
Corp. Author: SAIC, 1710 Goodridge Drive, P.O. Box 1303, McLean, Virginia
              22102
Index Terms: Strategy Mission Goal Force Defense Concept Deployment Threat
             Target Battle Soviet Union

Accession #:   819   AD #: 0
TITLE: Distributed Computing Design System: A Technical Overview

Author(s): Baker, L.
Date: 07/25/87   Pages:90   Report #: CDRL-B003
Corp. Author: TRW, 213 Wynn Drive, Huntsville, AL 35805

Index Terms: Concept Design Module Development Implementation Language
             Methodology

Accession #:   820   AD #: 0
TITLE: Hazard Analysis For The Breakup Of Satellites 16937 And 16938

Author(s): Anz-Meador, P.D.; Talent, D.L.; Rast, R.H.
Date: 02/27/87   Pages:150   Report #: JSC-22471 (U)
Corp. Author: Nat. Aeronautics And Space Admin., L.B.J. Space Cntr.,
              Houston Texas
Index Terms: Mission Velocity Linear Radar Meteor Orbit Optical Collision
             Kinetic Altitude Cloud Detection Explosion

Accession #:   822   AD #: ADA176194
TITLE: Compressive Properties and Laser Absorptivity of Unidirectional
       Metal Matrix Composites
Author(s): Chang, D.L.; Steckel, G.L.; Hanna, W.D.; Izaguire, F.
Date: 09/30/86   Pages:30   Report #: SD-TR-86-81
Corp. Author: Aerospace Corp., El Segundo, CA 90245

Index Terms: Matrix Metal Laser Test Calorimeter Wavelength Micrometer

---

Accession #:   833   AD #: 0
TITLE: Draft Agenda for the Task 5.1 Review Schedule for September 24, 1987

Author(s): Ansten, P.B.
Date: 09/15/87   Pages:03   Report #: 1-051-04-461
Corp. Author: SAIC, 1710 Goodbridge Drive, McLean, Virginia 22102

Index Terms: Mission Baseline Threat Methodology

Accession #:   834   AD #: 0
TITLE: Additional Presentation Material From The 21 April, 1987 NFB Program
       Planning Meeting
Author(s): 0
Date: 04/21/87   Pages:130   Report #: 0
Corp. Author: Strategic Defense Initiative Organization, Washington, D.C.

Index Terms: Battle Command Control Technology Communication Mission
             Philosophy Sensor Space Scenario Research Logistic

---

Accession #:   852   AD #: 0
TITLE: A Meta Compiler For Very High-Level Language In Battle Management

Author(s): Andrews, M., Dr.; Hodge, M.
Date: 07/01/87   Pages:56   Report #: FTR0061-1
Corp. Author: Space Tech Corporation, 2324 Manchester Court, Fort Collins,
              CO 80526
Index Terms: Global SDI Allocation Retarget Reduction Solution Formulation
             Meta Algorithm Microcode

Accession #:   866   AD #: 0
TITLE: What Can The Computing World Contribute To SDI ?

Author(s): Boehm, B.
Date: 0   Pages:27   Report #: 0
Corp. Author: TRW

Index Terms: Challenge Technology Sensor Intelligence Weapon Control
             Strategic Defense Force Countermeasure Logistic Test

---

Accession #:   872   AD #: ADA176368
TITLE: Coordinate Conversion Algorithm for Multisensor Data Processing

Author(s): Shank, E. M.
Date: 08/05/86   Pages:46   Report #: ATC-139
Corp. Author: Mass. Inst. of Tech., Lincoln Laboratory, Lexington, MA
              02173-0073
Index Terms: Conversion Projection Aircraft Surveillance Multisensor
             Altitude Stereographic Error Transformation Conic

---

Accession #:   897   AD #: 0
TITLE: SDI Midcourse Tracker/Correlator Algorithm Development

Author(s): Erbacher, J.; Belkin, B.; Askin, K.
Date: 0   Pages:11   Report #: 0
Corp. Author: 0

Index Terms: Battle Testbed Ballistic Missile Surveillance Target Kinematic
             Algorithm Cluster Detection SDI Sensor Explosion

---

Accession #:   909   AD #: 0
TITLE: Evaluation Of Parallel Architectures For BM/C3 Applications

Author(s): Das, C.R.; Lin, W.; Feng, T.; Thazhuthaveetil, M.J.
Date: 02/01/88   Pages:98   Report #: RADC-TR-88-41
Corp. Author: Penn. State Univ., Dept. of Elec. Eng., Univ. Park, PA 16802

Index Terms: Evaluation Computer Simulation Algorithm Communication
             Multiprocessor Analysis Hypercube

Accession #:   941   AD #: 0
TITLE: Orbital Transfer Vehicle: Concept Definition & System Analysis Study
       - Final Report - Phase III Volume XI, Book 1-Exec. Summary 1988
Author(s): Andrews, D.
Date: 05/01/88   Pages:33   Report #: NAS8-36107
Corp. Author: Boeing Aerospace Company, P.O. Box 3999, Seattle, Washington
              98124-2499
Index Terms: Orbit Logistic Propellant Launch Integration Technology
             Configuration Aerothermodynamic Mars Test Insulation

---

Accession #:   942   AD #: 0
TITLE: SDI, The Soviet Investment Debate and Soviet Military Policy

Author(s): McConnell, J.M.
Date: 04/20/88   Pages:16   Report #: 0
Corp. Author: Department Of The Air Force

Index Terms: Soviet Union INF Treaty Military Policy Strategy Arms Control
             Reduction Weakness Deployment NATO Moscow Technology

Accession #: 943   AD #: 0
TITLE: R & D Status Report for August 1987

Author(s): Haflich, N.M.
Date: 09/21/87   Pages:03   Report #: 0
Corp. Author: U.S. Army Strategic Defense Command, 106 Wynn Dr.,
              Huntsville, AL 35807-3801
Index Terms: Concept Design Test Evaluation Support Battle Management
             Simulation Manipulation

Accession #: 949   AD #: ADA178367
TITLE: Optimal Aerodynamic Shapes for Hypervelocity Projectiles

Author(s): Hokenson, G. J., Dr.
Date: 02/28/87   Pages:59   Report #: THC-02GH87021A
Corp. Author: Hokenson Co., 840 S. Tremaine Ave., Los Angeles, CA 90005

Index Terms: Hypersonic Aerodynamic Optimal Impact Trajectory Mission
             Projectile Hypervelocity Equation

Accession #: 950   AD #: ADA178328
TITLE: Observations of High Current Electron Beam Interaction with the
       Atmosphere
Author(s): Schneider, R. F.; Rhee, M. J.
Date: 10/01/86   Pages:20   Report #: NSWC/TR-86-294
Corp. Author: Naval Surface Weapons Center, 10901 New Hampshire Ave.,
              Silver Spring, MD 20903
Index Terms: Velocity Conductivity Electron Beam Plasma Density Intensity
             Neutralization Discharge Dielectric Vacuum Voltage

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Accession #: 951   AD #: ADA178176
TITLE: Laser Materials for the 0.67 Micrometers to 2.5 Micrometers Range

Author(s): Toda, M.; Zamerowski, T. J.
Date: 03/01/86   Pages:55   Report #: RCA-PRRL-86-CR-4
Corp. Author: RCA Labs., Princeton, NJ

Index Terms: Detector Wavelength Vapor Laser Energy Semiconductor Emission
             Reactor Quantum Photodetector Pulse

Accession #: 952   AD #: ADA178021
TITLE: Organizing for Military Space Operations

Author(s): Myers, K. A., Col USAF
Date: 05/01/86   Pages:30   Report #: AU-AWC-86-161
Corp. Author: Air War College, Maxwell AFB, AL

Index Terms: Air Force Geographic Space Policy Mission Training Satellite
             Military Command Security Employment Strategy

Accession #: 953   AD #: ADA177966
TITLE: DoD Manual for Standard Data Elements

Author(s): 0
Date: 10/01/86   Pages:520   Report #: DIOR/DoD-5000.12-M
Corp. Author: DoD, Washington Headquarters Services

Index Terms: Data Code Regulation Implementation Security Research
             Configuration Logistic Military

Accession #: 954   AD #: ADA177833
TITLE: Laser Doppler Velocimetry

Author(s): Wang, C. P.
Date: 10/14/86   Pages:33   Report #: TR0086(6761)-1
Corp. Author: Aerospace Corp., Space Systems Div., El Segundo, CA 90245

Index Terms: Velocity Oscillation Laser Application Heterodyne Optical

---

Accession #: 955   AD #: ADA177575
TITLE: Application of Differential Plane Statistics to Studies of C3 and
       Spread Spectrum Communications
Author(s): Pawula, R. F.
Date: 05/14/86   Pages:004   Report #: AFOSR-TR-87-0210
Corp. Author: Random Applications, Inc., 515 S. Junction Ave., Montrose, CO
              81401
Index Terms: Binary Density Filter Equation Movement

Accession #: 956   AD #: ADA177555
TITLE: Superconducting Augmented Rail Gun (SARG)

Author(s): Homan, C. G.; Cummings, C. E.; Fowler, C. M.
Date: 01/01/87   Pages:17   Report #: ARCCB-TR-87001
Corp. Author: Army Armament Research, Development and Eng. Cntr.,
              Watervliet, N.Y. 12180-4050
Index Terms: Rail Gun Augmentation Design Circuit Coil Velocity

---

Accession #: 957   AD #: ADA177512
TITLE: Radiation Shielding Requirements on Long-Duration Space Missions

Author(s): Letaw, J. R.; Clearwater, S.
Date: 07/21/86   Pages:41   Report #: SCC-86-02
Corp. Author: Severn Communications Corp., Severna Park, MD 21146

Index Terms: Solar Configuration Iron Dosage Aluminum Cosmic Radiation
             Shield Flare Exposure

Accession #: 958   AD #: ADA177508
TITLE: Interchange Instability in Rail Gun Arcs

Author(s): Powell, J. D.
Date: 01/01/87   Pages:33   Report #: BRL-TR-2776
Corp. Author: Army Ballistic Missile Research Lab., Aberdeen Proving
              Ground, MD 21005-5066
Index Terms: Projectile Curve Calculation Wavelength Plasma Instibility
             Propulsion

Accession #: 959   AD #: ADA177449
TITLE: Gamma-Ray Laser Project - Proof of the Feasibility of Coherent and
       Incoherent Schemes for Pumping a Gamma-Ray Laser
Author(s): Collins, C. B.
Date: 01/01/87   Pages:52   Report #: UTD-GRL-8601
Corp. Author: Texas U. at Dallas, Richardson Center for Quantum Electronics

Index Terms: Fusion Radiation Gamma-ray Nuclear Physics Research Emission
             Wavelength Photon Population Energy Ratio

Accession #:   960   AD #: ADA177448
TITLE: Multiple Coupled Waveguide Laser Array

Author(s): Youmans, D. C.
Date: 11/05/86   Pages:137   Report #: WJSA-FR-86-014
Corp. Author: W. J. Schafer Associates, Inc., 321 Billerica Rd.,
              ¬helmsford, MA 01824-4191
Index Terms: ᴧser Waveguide Infrared Coupling Array Analysis Radiation
              ᴧonfiguration Optical Cavity Semiconductor

Accession #:   961   AD #: ADA177409
TITLE: Strategic Defense, Deterrence, and Arms Control

Author(s): Kober, S.
Date: 01/01/87   Pages:019   Report #: CNA-PP-445
Corp. Author: Center for Naval Analyses, Strategic Research Dept., Alex.,
              VA 22302-0268
Index Terms: Deterrence SDI Nuclear Balance ABM (Anti-Ballisitic Missile)
              Logic Theory Atomic Bomb United States Watershed Military War

---

Accession #:   962   AD #: ADA177384
TITLE: Instability in a Multimode Free-Electron Laser - Effects of Electron
       Energy Drift
Author(s): Gallardo, J. C.
Date: 10/01/86   Pages:12   Report #: TR-71
Corp. Author: California U., Quantum Institute, Santa Barbara, CA 93106

Index Terms: Theory Oscillator Laser Saturation Decay Electron FEL (Free
             Electron Laser) Charge Energy

Accession #:   963   AD #: ADA177376
TITLE: Ordered Carbon-Metal Alloys for Extraterrestrial Power Systems

Author(s): Yeh, K. C.; Gillis, P. P.; Chen, J.
Date: 12/08/86   Pages:268   Report #: 862BC2ETPS
Corp. Author: Auburn U., Dept. of Mechanical Engineering

Index Terms: Metal Carbon Optical Spectrum Microscopy Metallography
             Compression Electron Specimen Evaluation Gas Alloy Research

---

Accession #:   964   AD #: ADA177370
TITLE: Free-Electron Laser Gain Degradation and Electron Beam Quality

Author(s): Colson, W. B.; Ballardo, J. C.
Date: 02/17/87   Pages:20   Report #: TR-70
Corp. Author: California U., Quantum Institute, Santa Barbara, CA 93106

Index Terms: FEL (Free Electron Laser) Equation Degradation Spectrum Beam
             Optic Wave Motion Randam Magnetic

Accession #:   965   AD #: AD·177367
TITLE: Population Inversions in Ablation Plasmas Generated by Intense
       Electron Beams
Author(s): Gilgenbach, R. M.
Date: 11/30/86   Pages:88   Report #: AFOSR-TR-87-0180
Corp. Author: Michigan U., Ann Arbor, MI 48109

Index Terms: Intensity Electron Beam Anode Plasma Spectroscopy
             Experimentation CRE (Collisional-Radiative Equilibrium)

```
Accession #:    966                 AD #: 0
TITLE: Proceedings Of The Strategic Defense Initiative Organization (SDIO)
        Tool Fair
Author(s): Heystek, D.
Date: 03/27/87        Pages:207        Report #: M-308
Corp. Author: Inst. For Defense Analyses, 1801 N. Beauregard St., Alex., VA
               22311
Index Terms: Automation Methodology Manipulation Evaluation Software
              Developmet Simulation
```

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Accession #:    967                 AD #: 0
TITLE: Determination of Beam Orientation of Optical Diagnostics of Excited
        200-Mev Hydrogen Atoms Resulting From Photodetachment of H-Ions
Author(s): Herschcovitch, A.
Date: 09/01/87        Pages:36        Report #: AFWL-TR-87-17
Corp. Author: Brookhaven Nat. Lab, Assoc. Univ., Inc., Upton, New York
               11793
Index Terms: Hydrogen Beam Alpha Photodetachment Radiation Atom Laser
              Cathode Decay
```

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Accession #:    968                 AD #: 0
TITLE: The Star Wars Swindle: Hawking Nuclear Snake Oil

Author(s): Reed, F.
Date: 05/01/87        Pages:09        Report #: 0
Corp. Author: 0

Index Terms: Defense Electronic Laser Mirror Destruction Rocket Space
              Computer Congress Russia Risk Challenge
```

```
Accession #:    969                 AD #: 0
TITLE: Computing Development System (Codes): R & D Status Report December
        1986
Author(s): Smith, W.
Date: 12/01/86        Pages:02        Report #: CR-20-1357
Corp. Author: General Research Corporation, 307 Wynn Dr., Huntsville, Al
               35805
Index Terms: Prototype Design Methodology Test Development
```

```
Accession #:    970                 AD #: 0
TITLE: R & D Status Report for September 1987

Author(s): Halfich, N.M.
Date: 10/14/87        Pages:03        Report #: CDRL A012
Corp. Author: SofTech, Inc., 460 Totten Pond Rd., Waltham, MA. 02254-9197

Index Terms: Design Evaluation Support Analysis Concept BM/C3 Data
              Simulation Algorithm SDI
```

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Accession #:    971                 AD #: 0
TITLE: SDI Advanced Planning Briefing for Industry

Author(s): Oliver, R.G., MAJ
Date: 11/03/87        Pages:10        Report #: 0
Corp. Author: DoD, SDIO, Washington, D.C. 20301-7100

Index Terms: KEW (Kinetic Energy Weapon) Battle ERINT (Extended Range
              Intercept Technology)
```

Accession #:   973   AD #: O
TITLE: Research and Development Status Report for May 12, 1987 - June 11,
        1987
Author(s): O
Date: 05/12/87   Pages:05   Report #: CDRL A003
Corp. Author: Alphatech, Inc., 111 Middlesex Turnpike, Burlington, MA 01803

Index Terms: Multisensor Tracking Development Algorithm Target Methodology

---

Accession #:   974   AD #: O
TITLE: Multiple Information Set Tracking Correlator (MISTC) Development

Author(s): Tasknakis, H.; Korn, J.; Allen, T.G.; Willsky, A.S.
Date: 06/01/87   Pages:10   Report #: TP-251
Corp. Author: Alphatech, Inc., 111 Middlesex Turnpike, Burlington, MA 01803

Index Terms: BMD (Ballistic Missile Defense) Space Velocity Surveillance
             Multisensor Target Fusion

Accession #:   975   AD #: O
TITLE: Performance of RS-BCH Concatenated Codes and BCH Single-Stage Codes
        on an Interference Satellite Channel
Author(s): Hershey, P.C.; Ephremides, A.; Khatri, R.K.
Date: O   Pages:42   Report #: O
Corp. Author: Faichild Space CO., Germantown, MD 20874

Index Terms: Intersatellite Random Telecommunication Noise Orbit Error
             Density Lacoder Protocol

Accession #:   976   AD #: O
TITLE: BDM Concept Definition Monthly Progress Report for August 1987

Author(s): Lorenzini, D.A.
Date: 09/22/87   Pages:06   Report #: O
Corp. Author: SRS Technologies, 1500 Wilson Blvd., Suite 800, Arlington, VA
             22209-8707
Index Terms: SDIO BM/C3 Army Analysis Integration World Cycle Beam
             Simulation

Accession #:   977   AD #: O
TITLE: System Architecture and Key Trades (SAKT) Study for July and August
        1987
Author(s): O
Date: 09/24/87   Pages:13   Report #: O
Corp. Author: SAIC, 1710 Goodridge Dr., P.O. Box 1303, McLean, VA 22102

Index Terms: IAA (Intergrated Architecture Analysis) Methodology SDIO
             Traceability Simulation Battle Threat Mission

Accession #:   978   AD #: O
TITLE: BM/C3 Representations For Strategic Defense Initiative Campaign
        Level Simulations
Author(s): Antsen, P.B.
Date: 10/08/87   Pages:31   Report #: O
Corp. Author: SAIC, 1710 Goodridge Dr., P.O. Box 1303, McLean, VA 22102

Index Terms: BM/C2 (Battle Management/Command and Control) SDI Tactic
             Transition

Accession #:   979   AD #: 0
TITLE: System Architecture And Key Tradeoff Studies: Integrated
        Architecture Analysis
Author(s): Cosby, M.
Date: 10/05/87   Pages:60   Report #: 0
Corp. Author: SAIC, 1710, Goodridge Dr., P.O. Box 1303, McLean, VA 22102

Index Terms: Methodology Threat Baseline Parameterization Mission SDI

Accession #:   980   AD #: 0
TITLE: KV Airframe Configuration

Author(s): 0
Date: 04/29/87   Pages:05   Report #: 0
Corp. Author: McDonnell Douglas Astronautics Co.

Index Terms: Assembly Heat Antenna

Accession #:   981   AD #: 0
TITLE: SDI Program: Financial Data for Fiscal Years 1986 and 1987 (Fact
        Sheet for Congressional Requesters)
Author(s): Finley, H.R.
Date: 02/12/87   Pages:22   Report #: B-223094
Corp. Author: United States General Accounting Office, Washington, D.C.
                20548
Index Terms: SDIO Research Budget Data DEW (Directed Energy Weapon)
                Reduction DoD Congress

Accession #:   982   AD #: 0
TITLE: The ITEA Journal of Test and Evaluation of C3I

Author(s): Goodwin, H.W.
Date: 01/01/87   Pages:45   Report #: 0
Corp. Author: ITEA Headquarters, 4400 Fair Oaks Court, Fairfax, Virginia
                22033
Index Terms: Command Control Communication Intelligence (C3I) Effectiveness
                Test Evaulation Threat Force Deployment NATO

Accession #:   983   AD #: 0
TITLE: Distributed Networking Controllers Final Report

Author(s): 0
Date: 10/29/87   Pages:33   Report #: 0
Corp. Author: Optimization Technology, Inc., 175 E. Magnolia Avenue,
                Auburn, AL 36830
Index Terms: Allocation Tracking Extrapolation Command Control
                Communication Threat Weakness Strategy

Accession #:   984   AD #: 0
TITLE: Man/Machine Interface (MMI) Program Plan

Author(s): 0
Date: 04/21/87   Pages:80   Report #: 0
Corp. Author: United States Army

Index Terms: SDI C2 Research Test Bed Technology Simulation Intelligence
                Application Psychology

Accession #:   985   AD #: 0
TITLE: Manufacturing Cost Reduction Analysis Guide for SDI Systems

Author(s): 0
Date: 07/21/87   Pages:60   Report #: 0
Corp. Author: Booz, Allen & Hamilton Inc., 4330 East West Hwy, Bethesda, MD
              20814
Index Terms: Cost Reducton Methodology Concept SDI Technology Optimum CDRL
              (Contract Data Requirement List) Mercury Defense Time SBIR

Accession #:   986   AD #: 0
TITLE: SDI Battle Management System Accreditation Issues: June 19, 1987

Author(s): Barrabee, K.H.
Date: 06/19/87   Pages:44   Report #: TM-8361/001/00
Corp. Author: Unisys Defense Systems, 5151 Camino Ruiz, Carmillo,
              California 93011-6004
Index Terms: Battle Test Security Cycle Control Policy Data Methodology

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Accession #:   987   AD #: 0
TITLE: Multiple Information Set Tracking Correlator (MISTC) Concept
       Development
Author(s): Tsaknakis, H.; Korn, J.; Allen, T.; Washburn, R.; Willsky, A
Date: 06/09/87   Pages:15   Report #: SP-768
Corp. Author: Alphatech, Inc., 2 Burlington Exec. Cntr., 111 Middlesex
              Tnpk., Burlington, MA
Index Terms: Support Battle Engagement SDI Global Surveillance Sensor
              Weapon Resource Strategic Fusion Node

Accession #:   988   AD #: 0
TITLE: SATKA Program Review

Author(s): 0
Date: 07/08/87   Pages:45   Report #: 0
Corp. Author: SDIO, Deptartment of Defense, Washington, D.C. 20301-7100

Index Terms: Mission Technology Integrate Launch Sensor Trajectory

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Accession #:   989   AD #: 0
TITLE: Allocated Functional Requirements

Author(s): Hall, R.W.
Date: 09/15/87   Pages:143   Report #: 0
Corp. Author: SAIC, 1710 Goodridge Drive, P.O. Box 1303, McLean, Virginia
              22102
Index Terms: Sensor Data Kill Mission Target Engagement Battle

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Accession #:   990   AD #: 0
TITLE: Battle Management/Command and Control, and Communications (BM/C3):
       Demonstration/Validation Program Environmental Assessment
Author(s): Brown, G. Capt.
Date: 08/01/87   Pages:41   Report #: 0
Corp. Author: SDIO Systems Engineering, Washington, D.C. 2030-7100

Index Terms: SBI Surveillance Reentry Technology Vehicle Research Test
              Communication Survivability Hazard

Accession #:   991   AD #: 0
TITLE: SDI: System Description Language Specification

Author(s): 0
Date: 07/09/87   Pages:95   Report #: SDL SPEC 2.0
Corp. Author: SDIO, BM/C3, Washington, D.C. 20301-7100

Index Terms: Behavior Simulation Life Configuration Algorithm Technology
             Node

Accession #:   992   AD #: 0
TITLE: A Design Concept for Reliable Radio Networks with Frequency Hopping
        Signaling
Author(s): Ephremidea, A.; Wieselthier, J.E.; Baker, D.J.
Date: 12/05/87   Pages:55   Report #: 0
Corp. Author: Naval Research Laboratory

Index Terms: Radio HF (High Frequency) Survivability Cluster Navy
             Communication Kilometer Atmospheric Modular Transmission

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Accession #:   993   AD #: 0
TITLE: On The Stability Of Interfacing Queues In A Multiple Access System

Author(s): Rao, R.; Ephremides, A.
Date: 0   Pages:42   Report #: 0
Corp. Author: Office of Naval Research

Index Terms: Terminal Symmetric Concept Collision Transmission Quadrant

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Accession #:   994   AD #: 0
TITLE: Delay Analysis Of Interacting Queues With An Approximate Model

Author(s): Zhu Zhu, Rong; Emphredides, A.
Date: 0   Pages:33   Report #: 0
Corp. Author: Office Of Naval Research

Index Terms: Computation Simulation Analysis Transmission Symmetric

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Accession #:   995   AD #: 0
TITLE: Simulation Interfaces: Draft

Author(s): Danny, C.
Date: 05/22/87   Pages:29   Report #: 0
Corp. Author: University of California

Index Terms: Evaluation SDI Simulation Technology Sensor Weapon
             Communication Design Deployment Battle Algorithm Distribution

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Accession #:   996   AD #: 0
TITLE: Information Theoretic Analysis For A General Queueing System AT
        Equilibrium With Application To Queues In Tandem
Author(s): Cantor, J.; Ephremides, A.; Horton, D.
Date: 0   Pages:35   Report #: 0
Corp. Author: Naval Research Laboratory

Index Terms: Simulation Theory Communication Death Equation Solution

Accession #:   997   AD #: 0
TITLE: Software Development Structure: Technical Report, Research And
        Development Status Report
Author(s): Baker, L.; Marker, L.R.
Date: 08/15/87   Pages:06   Report #: CDRL A016/B010
Corp. Author: TRW System Development Division, 213 Wynn Drive, Huntsville,
            AL 35805
Index Terms: Design Algorithm Conversion Vax Flow Construction Architecture
            Logic Graphic Simulation

Accession #:   998   AD #: 0
TITLE: Initial Operations Framework Version 1.1

Author(s): 0
Date: 11/06/87   Pages:108   Report #: CDRL F003
Corp. Author: Sparta, Inc., 7926 Jones Branch Drive, McLean, VA 22102

Index Terms: SDI Battle Communication Radiometric Launch Target Traffic
            Military Flight Detection

Accession #:   999   AD #: 0
TITLE: FY 1986 and 1987 SDIO-Managed MIPRs

Author(s): COL Seeling, L.C.
Date: 08/24/87   Pages:07   Report #: 0
Corp. Author: Department of Defense, SDIO, Washington, D.C. 20301-7100

Index Terms: DEW MIPR Zenith Star

Accession #:   1001   AD #: 0
TITLE: Evolution Of SDIO's Integrated Architecture Analysis Environment
        (IAAE)
Author(s): Baker, L.
Date: 0   Pages:20   Report #: TRW87-300
Corp. Author: TRW, Huntsville Operations, 213 Wynn Drive, Huntsville, Al
            35805
Index Terms: Evolution Interface Cycle SDIO Missile Defense Challenge
            Methodology Innovation Traceability

Accession #:   1002   AD #: 0
TITLE: Software Development Structure: Technical Report - Eighth Quarterly
        Progress Report
Author(s): Jones, G. M.
Date: 08/15/88   Pages:009   Report #: CDRL A002/B002
Corp. Author: TRW, 213 Wynn Drive, Huntsville, AL 35805

Index Terms: Technology Integration Prototype SEL (Software Engineering
            Library) Methodology Evaluation Conversion Software Algorithm

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Accession #:   1003   AD #: 0
TITLE: Strategic Defense Initiative BM/C3 Architecture Study - Phase II
        Volume III, Part II
Author(s): 0
Date: 02/26/87   Pages:380   Report #: CSD-TR1202A
Corp. Author: Ford Aerospace and Comm. Corp., 10440 St. Hwy 83, Colorado
            Springs, CO 80908
Index Terms: SDI Battle Management Command Control Communication
            Architecture Mission Matrix Defense Technology Population

Accession #: 1004   AD #: 0
TITLE: Capabilities and Experience: Briefing to Capt. David Hart, SDIO/BM &
       C3
Author(s): 0
Date: 08/25/87   Pages:70   Report #: 0
Corp. Author: Ball Systems Eng. Div., 1100 Wilson Blvd., Suite 1710,
              Arlington, VA 22209
Index Terms: Space Defense Intelligence Mission Technology Communication
             Software Development Simulation Sensor Surveillance

Accession #: 1005   AD #: 0
TITLE: A Study Of The Requirements Of OSSA Free-Flyer Payloads for Support
       By The Orbital Maneuvering Vehicle (OMV) Volume I
Author(s): 0
Date: 04/01/87   Pages:70   Report #: NASW-4152
Corp. Author: The BDM Corp., 10260 Old Columbia Rd., Columbia, MD
              21046-1218
Index Terms: Vulnerable Payload NASA Transportation Space Flight Orbit
             Vehicle Mission Data

Accession #: 1006   AD #: 0
TITLE: A Study Of The Requirements Of OSSA Free-Flyer Payloads For Support
       By The Orbital Maneuvering Vehicle (OMV) Volume II
Author(s): 0
Date: 06/01/87   Pages:70   Report #: BDM/COL-87-0149-TR
Corp. Author: The BDM Corp., 10260 Old Columbia Rd., Columbia, MD
              20146-1218
Index Terms: Flight Mission Retrieval Deployment Payload NASA Evolution
             Space Transportation Earth Solar Terrestial Polar Telescope

Accession #: 1007   AD #: 0
TITLE: Data Acession List For Period Of 31 October 1987

Author(s): Vocelka, D.J.
Date: 10/31/87   Pages:13   Report #: A002
Corp. Author: Martin Marietta Corporation, P.O. Box 179, Denver, CO 80201

Index Terms: Space Radar Support Concept Strategic Defense Integration
             Launch Evaluation Sensor Mission Methodology

Accession #: 1008   AD #: 0
TITLE: Monthly Status Report for Period Ending 23 October 1987

Author(s): Kinney, R.M.S.
Date: 11/13/87   Pages:25   Report #: ULW-7-SDI-515
Corp. Author: Sparta, Inc., Wash. Operations, 7926 Jones Branch Dr.,
              McLean, VA 22102-0210
Index Terms: Energy SDIO Threat Response Distribution GBL (Ground-Based
             Laser) Mission Strategy

Accession #: 1010   AD #: 0
TITLE: Strategic Defense Generic Battle Framework

Author(s): Small, A.W.
Date: 10/15/87   Pages:22   Report #: CD-17
Corp. Author: SRS Technologies, Wash. Operations, 1500 Wilson Blvd.,
              Arlington, VA 22209
Index Terms: Combat Sensor Weapon Command Management Language

Accession #:   1011   AD #: 0
TITLE: SDI Research Programme: United Kingdom Company Capabilities

Author(s): Matthews, R.V., British Defence Staff, Wash., D.C. 20008
Date: 04/01/87   Pages:170   Report #: 0
Corp. Author: Strategic Defense Initiative, DoD, Washington, D.C.

Index Terms: President Reagan United Kingdom Security Deployment Defense
             Margaret Thatcher Ballistic Missile Navy Army Air Force

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Accession #:   1013   AD #: 0
TITLE: SDI Security Policy for 2 October 1987

Author(s): 0
Date: 10/02/87   Pages:30   Report #: 0
Corp. Author: Sparta, Inc., 7926 Jones Branch Dr., Suite 1710, McLean, VA
              22102
Index Terms: SDI USA Security Cycle Exploitation Policy Threat Risk
             Evolution Deployment

Accession #:   1014   AD #: 0
TITLE: Famis Listing FY 1987

Author(s): Seeling, L.C. COL
Date: 08/27/87   Pages:0   Report #: 0
Corp. Author: DoD, Strategic Defense, Washington, D.C. 20301-7100

Index Terms: 0

Accession #:   1015   AD #: 0
TITLE: Monthly Status Report for Period of 25 September 1987

Author(s): Kinney, R.M.S.
Date: 10/09/87   Pages:10   Report #: CDRL A006
Corp. Author: Sparta, Inc., 7926 Jones Branch Drive, McLean, Virginia
              22102-3303
Index Terms: Management Survivabilty Simulation Evaluation Mission GBL
             Target Strategy Computer Allocation Launch Security

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Accession #:   1016   AD #: 0
TITLE: Algorithms Developed At USASDC

Author(s): 0
Date: 0   Pages:27   Report #: 0
Corp. Author: United States Army, System Development Corporation

Index Terms: Node Algorithm Threat Assessment Target Detection Blast Impact
             Survival Error Battle Attack Sensor

Accession #:   1017   AD #: 0
TITLE: SDI: Another View On Professional Responsibility

Author(s): Parnas, D.
Date: 0   Pages:12   Report #: 0
Corp. Author: 0

Index Terms: President Reagan Opponet Polorize Guidance SDI Deterrence Ally
             Research Deploy Technology Network Eastport Computer

Accession #: 1018   AD #: 0
TITLE: SRA/SRR Issues

Author(s): Isreal, D.
Date: 11/08/87   Pages:06   Report #: 0
Corp. Author: 0

Index Terms: SRA TASC GRC SRR TBE Air Force Army Methodology

Accession #: 1019   AD #: 0
TITLE: BCD Update Review

Author(s): 0
Date: 10/08/87   Pages:27   Report #: 0
Corp. Author: TRW,

Index Terms: Threat BM/C3 Orbit Weapon Evolution Trade Mission Launch
              Security Sensor Protection Attack Strategic

Accession #: 1020   AD #: 0
TITLE: Report To Congress On The Capabilities Of The SDI National Test Bed

Author(s): 0
Date: 01/01/88   Pages:13   Report #: 0
Corp. Author: Strategic Defense Initiative Organization, Washington, D.C.
              20301-8100
Index Terms: Research SDI Support Military NTB Survivability Deployment
              Integration Attack Technology Command Mission Battle

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Accession #: 1021   AD #: 0
TITLE: Report To Congress On The Strategic Defense System Architecture

Author(s): 0
Date: 01/01/88   Pages:033   Report #: 0
Corp. Author: Strategic Defense Initiative Organization, Washington, D.C.
              20301-7100
Index Terms: Validation SDS (Strategic Defense System) Threat Technology
              (BM/C3) Battle Management/Command Control Communication

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Accession #: 1022   AD #: ADA178467
TITLE: High Current Electron Gun for Space Flight

Author(s): Dyer, G.
Date: 12/01/86   Pages:26   Report #: RADC-TR-86-184
Corp. Author: Kimball Physics, Inc., Kimball Hill Rd., Wilton, NH 03086

Index Terms: Cathode Density Triode Electron Modulation Space Tetrode
              Flight Energy

Accession #: 1023   AD #: ADA178517
TITLE: Carbon Fiber Composite Coupons - Static and Fatigue Behaviour After
      Impact Damage
Author(s): Clark, G.; Van Blaricum, T. J.
Date: 11/01/86   Pages:34   Report #: ARL/STRUC-TM-454
Corp. Author: Aeronautical Research Labs., P.O. Box 4331, Melbourne,
              Australia
Index Terms: Fatigue Static Ultrasonic Strain Configuration Development

Accession #:   1024   AD #: ADA178523
TITLE: Little Boy to Star Wars the Evolution of American Deterrence

Author(s): Havey, M. E., LT COL
Date: 05/01/86   Pages:35   Report #: AU-AWC-86-093
Corp. Author: Air War College, Maxwell AFB, AL

Index Terms: Nuclear Policy Danger War Counterforce Military ICBM
            (Inter-Continential Ballistic Missile) Retaliate

Accession #:   1025   AD #: ADA178525
TITLE: Strategic Deception - Planning and a Correlation with a Historical
       Case
Author(s): Gressang, R. V., LT COL, USAF
Date: 05/01/86   Pages:39   Report #: AU-AWC-86-083
Corp. Author: Air War College, Maxwell AFB, AL

Index Terms: Fraud Research Development Deception Invasion Military Radio
            Simulation Camouflage Tactic Firearm

Accession #:   1026   AD #: ADA178625
TITLE: Coordinated Research Program in Pulse Power Physics

Author(s): 0
Date: 02/16/87   Pages:185   Report #: 0
Corp. Author: Texas Tech. Univ., Dept. of Electrical Enigeering, Lubbock,
            TX 79409-4439
Index Terms: Pulse Diffuse Discharge Policy Laser Distortion Switch
            Photography X-Ray

Accession #:   1027   AD #: ADA178649
TITLE: Threat and Opportunity - The Soviet View of the Strategic Defense
       Initiative
Author(s): Uchrinscko, K. W.
Date: 12/01/86   Pages:140   Report #: 0
Corp. Author: Naval Postgraduate School, Monterey, CA 93943-5000

Index Terms: SDI (Strategic Defense Initiative) Soviet Union Threat NATO
            Military United States Ally Security

Accession #:   1028   AD #: ADA178833
TITLE: Investigation of the Transverse-Discharge Copper-Vapor Laser

Author(s): Kim, J.J.
Date: 05/31/86   Pages:19   Report #: 0
Corp. Author: New Mexico Univ., Albuquerque, NM

Index Terms: Transverse Laser Pulse Electric Ratio Density Vapor Mirror
            Storage Window

Accession #:   1029   AD #: ADA178869
TITLE: Investigation of Rocket Powered, Open Cycle, Magnetohydrodynamic
       Generators for High, Pulsed Power Needs in Space
Author(s): Power, J. W.
Date: 11/01/86   Pages:68   Report #: AFIT/GSO/ENP/86D-1
Corp. Author: Air Force Inst. of Tech., Wright-Patterson AFB, OH 45433

Index Terms: Generator Spacecraft Magnetohydronamic Rocket

Accession #: 1030   AD #: ADA178870
TITLE: Moving-Bank Multiple Model Adaptive Estimation Applied to Flexible
       Spacestructure Control
Author(s): Karnick, D. A.
Date: 12/01/86   Pages:213   Report #: AFIT/GE/ENG/86D-41
Corp. Author: Air Force Inst. of Tech., Wright-Patterson AFB, OH 45433

Index Terms: Space Pertublation Control Filter Algorithm Sensor Truss
             Analysis

Accession #: 1031   AD #: ADA178872
TITLE: Development of Microcomputer-Based Workstation for Analysis of
       Digital Satellite Links
Author(s): Jackson, W. C.
Date: 12/01/86   Pages:175   Report #: AFIT/GE/ENG/86D-38
Corp. Author: Air Force Inst. of Tech., Wright-Patterson AFB, OH 45433-6583

Index Terms: Communication Satellite Microcomputer Technology Transmitter
             Interaction Formulation Design Antenna

Accession #: 1032   AD #: ADA178873
TITLE: Prototype Knowledge-Based System for Satellite Mission Planning

Author(s): Perales, D. E.
Date: 12/01/86   Pages:87   Report #: AFIT/GE/ENG/86D-17
Corp. Author: Air Force Inst. of Tech., Wright-Patterson AFB, OH 45433

Index Terms: Intelligence Satellite Mission Orbit Tracking Strategy Design

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Accession #: 1033   AD #: ADA178879
TITLE: Performance Analyses for Peak-Detecting Laser Radars

Author(s): Shapiro, J. H.; Reinhold, R. W.; Park, D.
Date: 01/01/86   Pages:21   Report #: O
Corp. Author: Research Lab. of Elec., Mass. Inst. of Tech., 77 Mass. Ave.,
              Cambridge, MA 02139
Index Terms: O

Accession #: 1034   AD #: ADA178978
TITLE: Multiple Model Adaptive Tracking Algorithm for a High Energy Laser
       Weapon System
Author(s): Tobin, D. M.
Date: 12/01/86   Pages:302   Report #: AFIT/GE/ENG/86D-37
Corp. Author: Air Force Inst. of Tech., Wright-Patterson AFB, OH 45433

Index Terms: Filter Target Laser Acquisition Sensor Algorithm Velocity

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Accession #: 1035   AD #: ADA179079
TITLE: Atomic Line Spectral Filters for Neodymium Laser Receivers

Author(s): Liu, C. S.; Chantry, P. J.; Chen, C. L.
Date: 11/26/86   Pages:83   Report #: O
Corp. Author: Westinghouse Research & Development Cntr., 1310 Beulah Rd.
              Pittsburgh, PA 15235
Index Terms: Collision Cell Acquisition Buffer Reaction Radiation
             Wavelength Density Calculation Atom

Accession #: 1036   AD #: ADA179115
TITLE: Design of an Obital Inspection Satellite

Author(s): Getzelman, H.D.
Date: 01/01/87   Pages:114   Report #: AFIT/GSO/AA/86D-4
Corp. Author: Air Force Inst. of Tech., Wright-Patterson AFB, Ohio
              45433-6583
Index Terms: Satellite Space Camera Rocket Navagation Orbit Design

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Accession #: 1037   AD #: ADA179204
TITLE: Estimation of ICBM Performance Parameters

Author(s): Crumpton, K. S.
Date: 12/01/86   Pages:35   Report #: AFIT/GA/AA/86D-3
Corp. Author: Air Force Inst. of Tech., Wright-Patterson AFB, OH 45433

Index Terms: Sensor Geometry Topocentric Space Data Launch Earth Velocity
             Trajectory ICBM Integration

Accession #: 1038   AD #: ADA179205
TITLE: Optimal Shuttle Altitude Changes Using Tethers

Author(s): Fisher, R. R.
Date: 12/01/86   Pages:64   Report #: AFIT/GA/AA/86D-5
Corp. Author: Air Force Inst. of Tech., Wright-Patterson AFB, OH 45433

Index Terms: Orbit Tank Tension Propulsion Energy Space Earth

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Accession #: 1039   AD #: ADA179208
TITLE: Transient Reactive Exhaust Flow from a Ring-Symmetric HF/DF Space
       Laser
Author(s): Falcovitz, J.; Fuhs, A. E.
Date: 03/01/87   Pages:51   Report #: NPS72-87-002CR
Corp. Author: J. Falcovitz, Reasearch COTR, Naval Postgraduate School,
              Monterey, CA 93943-5100
Index Terms: Laser Exhaust Spacecraft Contamination Plume Hydrogen
             Transient Molecule Recoil

Accession #: 1040   AD #: ADA179226
TITLE: Experimental and Theoretical Studies of Laser Cooling and Emittance
       Control of Neutral Beams
Author(s): Lam, J. F.; McFarlane, R. A.; Palmer, A. J.; Steel, D. G.
Date: 01/31/87   Pages:130   Report #: HAC-REF-E9915
Corp. Author: Hughes Research Labs , Malibu, CA 90265

Index Terms: Theory Laser Hydrogen Optic Sodium Photon Atomic Velocity Beam

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Accession #: 1041   AD #: ADA179268
TITLE: Study of the Influence of Metallurgical Factors on Fatigue and
       Fracture of Aerospace Structural Materials
Author(s): Lankford, J.; Davidson, D. L.; Chan, K. S.; Leverant, G. R.
Date: 01/30/87   Pages:37   Report #: SWRI-06-8972
Corp. Author: Southwest Research Inst., 6220 Culebra Road, San Antonio, TX
              78284
Index Terms: Research Scope Fatigue Microstructure Prediction Force

Accession #: 1042   AD #: ADA179269
TITLE: Superconducting Augmented Rail Gun (SARG)

Author(s): Homan, C. G.; Scholz, W.
Date: 02/01/87   Pages:16   Report #: ARCCB-TR-87003
Corp. Author: Army Armament Research Development and Eng. Center,
              Watervliet, NY 12189-4050
Index Terms: Rail Gun Analysis Augementation Theory

Accession #: 1043   AD #: ADA179272
TITLE: System Design Requirements Tool for Satellite Communications through
       Nuclear-Induced Scintillation
Author(s): Orr, R. S.
Date: 04/10/87   Pages:162   Report #: STI/E-TR-860135
Corp. Author: Stanford Telecommunications, 1761 Business Center Drive,
              Reston, VA 22090
Index Terms: Fact Link Capability Encode Binary Convolution Scintillation
             Communication Noise Transmission Propagtion

Accession #: 1044   AD #: ADA179273
TITLE: Capacitive Energy Storage at Cryogenic Temperatures

Author(s): Clark, C. F.
Date: 01/23/86   Pages:11   Report #: 0
Corp. Author: Ceramphysics, Inc., 921 Eastwind Drive, Suite 110,
              Westerville, OH 43081
Index Terms: Microstructure Thermal Voltage Storage Ceramic Electrode
             Dielectric Calculation

Accession #: 1045   AD #: ADA179287
TITLE: High-Current Electron Gun for Space Flight

Author(s): Dyer, G.
Date: 08/31/86   Pages:37   Report #: AFGL-TR-86-0217
Corp. Author: Kimball Physics, Inc., Kimball Hill Road, Wilton, NH
              03086-9742
Index Terms: Cathode Density Tetrode Space Modulation Electron Energy Beam
             Rocket Shuttle Triode Charge

Accession #: 1046   AD #: ADA179385
TITLE: Determining the Probability of Close Approach Between Two Satellites

Author(s): Richey, R. L., Capt, USAF
Date: 12/01/86   Pages:135   Report #: AFIT/GA/AA/85D-8
Corp. Author: Air Force Inst. of Tech., Wright-Patterson AFB, OH 45433

Index Terms: Approach Collision Satellite Intercept Elliptical Algorithm
             Orbit Simulation Sphere Geometry

Accession #: 1047   AD #: ADA179413
TITLE: Optimal Continuous Thrust Orbital Evasive Maneuvers from
       Geosynchronous Orbit
Author(s): Freissinger, R. D., Capt., USAF
Date: 12/01/86   Pages:78   Report #: AFIT/GA/AA/86D-12
Corp. Author: Air Force Inst. of Tech., Wright-Patterson AFB, OH 45433

Index Terms: Geosynchronous Satellite Orbit Thrust Optimal Algorithm
             Circular Tactic

Accession #: 1048   AD #: ADA179424
TITLE: Star Sensor Fine Attitude Pointing Model for a Spinning
        Geosynchronous Satellite
Author(s): Taylor, J. V., Capt., USAF
Date: 12/01/86   Pages:152   Report #: AFIT/GA/AA/86D-14
Corp. Author: Air Inst. of Tech., Wright-Patterson AFB, OH 45433

Index Terms: Space Attitude Star Sensor Square Estimation Navagation
             Gesynchronous Kinematic Angle Algorithm Simulation Satellite

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Accession #: 1049   AD #: ADA179459
TITLE: Integrated Optimization-Based Approach to the Design and Control of
        Large Space Structures
Author(s): Polak, E.; Pister, K. S.; Taylor, R. L.
Date: 09/30/86   Pages:10   Report #: 0
Corp. Author: California Univ., Berkeley, CA 94720

Index Terms: Integration Behavior Algorithm Control Theory Solution

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Accession #: 1050   AD #: ADA179561
TITLE: Numerical Study of Hybrid Plume

Author(s): Chang, F. R.; Yang, T. F.
Date: 08/01/86   Pages:29   Report #: AFOSR-TR-87-0524
Corp. Author: Mass. Inst. of Tech., Cambridge, Ma 02139

Index Terms: Fluid Hybird Plume Plasma Rocket Reaction Ion Contour Antenna

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Accession #: 1051   AD #: ADA179742
TITLE: Laser Ballistic Sensor Development

Author(s): Pond, C. R.; Patrick, D.; Bornstien, J. A.
Date: 01/01/87   Pages:108   Report #: BRL-CR-563
Corp. Author: Boeing Aerospace Co., MS 8C-64, P.O. Box 3999, Seattle, WA
              98124
Index Terms: Development Laser Sensor Ballistic Angle Measurement Motion

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Accession #: 1052   AD #: ADA179764
TITLE: Quaternary Narrow-Band Semiconductors (HgTe) x (InSb)1-X for
        Far-Infrared Detectors
Author(s): Berger, L. I.
Date: 08/31/86   Pages:94   Report #: 0
Corp. Author: San Diego State Univ. Foundation, San Diego, CA

Index Terms: Crystal Detector Optical Thermal Electric Ingot Infrared
             Energy Alloy Exposure

Accession #: 1053   AD #: ADA179864
TITLE: Electromagnetic Description of the Two Stream Instability in a
        Relativistic Electron Beam
Author(s): Uhm, H. S.
Date: 05/01/84   Pages:12   Report #: NSWC/MP-84-236
Corp. Author: Naval Surface Weapons Center, Silver Spring, MD

Index Terms: Electromagnetic Beam Algebra Stream Physic Radial Collision
             Equation Axial Density Velocity Dimension

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Accession #:  1054              AD #: ADA179909
TITLE: Wide Area Guidance and Control Program - Investigation of Scanning
        IR Seeker Performance in Background Clutter
Author(s): Howser, L. M.
Date: 11/01/86      Pages:72        Report #: JHU/APL/TG-1360
Corp. Author: Johns Hopkins Univ., John Hopkins Road, Laurel, MD 20707


Index Terms: Pulse Target Detection Scan Cloud Terrain Wavelength Geophysic
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Accession #:  1055              AD #: ADA179933
TITLE: New Technologies and the Role of Nuclear Weapons in National
        Security Strategy-Vol. VII-The US & European Security-Interests and
Author(s): Steiner, A.
Date: 12/31/83      Pages:73        Report #: RDA-PH83-11-0006M1-83G
Corp. Author: R & D Associates, P.O. Box 9695, Marina Del Rey, CA 90295


Index Terms: Technology NATO Power Politics War Alliance United States
```

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Accession #:  1056              AD #: ADA180148
TITLE: Decentralized Processing in Sensor Arrays

Author(s): Waxnniger, M.
Date: 10/01/85      Pages:08        Report #: 0
Corp. Author: Stanford Univ., Stanfor, CA 94305


Index Terms: Sensor Array Triangle Radar Seismology Matrix Algorithm
                Wavefront Vector Matrice
```

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Accession #:  1057              AD #: ADA180276
TITLE: Thermal and Dynamical Effects on Electrodynamic Space Tethers

Author(s): Prall, J. S.
Date: 05/08/87      Pages:135       Report #: 0
Corp. Author: Army Military Personnel Center, 200 Stonewall St.,
                Alexandria, VA 22332
Index Terms: Electrodynamic Space Power Engine Insulation
```

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Accession #:  1058              AD #: ADA180280
TITLE: Impulsive Loading from a Bare Explosive Charge in Space

Author(s): Falcovitz, J.
Date: 12/01/86      Pages:65        Report #: NPS72-86-004CR
Corp. Author: Falcovitz, J., Research COTR, Naval Postgraduate Sch.,
                Monterey, CA 93943-5100
Index Terms: Blast Space Impulsive Explosive Damage Kinetic Energy
                Configuration Isotropic
```

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Accession #:  1059              AD #: ADA180327
TITLE: Decentralized Detection by a Large Number of Sensors

Author(s): Tsitsiklis, J. N.
Date: 04/01/87      Pages:24        Report #: LIDS-P-1662
Corp. Author: Mass. Inst. of Tech., Cambridge, MA 02139


Index Terms: Sensor Fusion Noise Map Error Ratio Evaluation Asymptotic
```

Accession #: 1060   AD #: ADA180466
TITLE: Deterrence Enhanced by SDI (Strategic Defense Initiative)

Author(s): Sowa, P. T.
Date: 03/23/87   Pages:46   Report #: 0
Corp. Author: Army War College, Carlisle Barricks, PA 17013

Index Terms: Deterrence Military SDI Capability Influence Ballistic Missile
             Threat Mankind Peace Weapon

Accession #: 1061   AD #: ADA180474
TITLE: Effects of Scientific, Political and Allied Opposition to SDI on
       National Security
Author(s): McKie, F.
Date: 03/23/87   Pages:32   Report #: 0
Corp. Author: Army War College, Carlisle Barracks, PA 17013

Index Terms: SDI Deterrence Research Strength Ally Political Opposition
             Media Support Technology Congress Control

Accession #: 1062   AD #: ADA180476
TITLE: Strategic Defense Initiative and the Prisoner's Dilemma

Author(s): Kirby, D. P.
Date: 03/23/87   Pages:32   Report #: 0
Corp. Author: Army War College, Carlisle Barracks, PA 17013

Index Terms: BMD (Ballistic Missile Defense) Nuclear Strategy Dilemma SDI
             War

Accession #: 1063   AD #: 0
TITLE: Thin Film Optical Directional Coupler: Final Report

Author(s): Czubatyj, W.; Doehler, J.
Date: 01/28/88   Pages:45   Report #: A002
Corp. Author: Energy Conversion Devices, Inc., 1675 W. Maple Rd., Troy,
              Michigan
Index Terms: Technology Development Integrate Optical Coupler Calculation
             Waveguide Window Angle Laser Refraction Temperature Reflector

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Accession #: 1064   AD #: 0
TITLE: Basing Exclusionary Criteria

Author(s): Gray, G.H.; Williams, C.V.
Date: 01/31/88   Pages:32   Report #: MCR-88-507
Corp. Author: Martin Marietta Astronautics Grouup, P.O. Box 179, Denver, CO
              80201
Index Terms: Methodology Analysis Flow Geographic Command Deployment
             Survival Military Mission Weapon Sensor Support Seismic

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Accession #: 1065   AD #: 0
TITLE: Space Based Particle Beam Technology Analysis And Assessment

Author(s): Elliot, W.F.
Date: 01/21/88   Pages:26   Report #: CR-391-1372
Corp. Author: General Research Corporation, 635 Disco ery Drive,
              Huntsville, Al 35806
Index Terms: Energy Space Technology Design Analysis Transportation Beam
             Ion Solenoid Ratio Transmission Simulation

Accession #: 1066   AD #: 0
TITLE: Report of the Secretary of Defense Caspar W. Wienberger to the
        Congress on the FY 85 Budget, FY 85-89 Defense Programs
Author(s): 0
Date: 02/01/84   Pages:300   Report #: 0
Corp. Author: United States Congress, Washington, D.C.

Index Terms: Reduction Strength Deterrence Policy Challenge Nuclear NATO
        Soviet Threat Treaty Deployment Missile Test Alliance

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Accession #: 1067   AD #: 0
TITLE: AFECA BM/C3 Technology Study Phase 1 Report General Technology
        Assessment: Software
Author(s): Blakemore, J.; Boehm, B.; Ginn, T.; Jackson, P., et al
Date: 0   Pages:36   Report #: 0
Corp. Author: Air Force Communication & Electronics Association

Index Terms: Eastport Technology Threat Mobility Control Adaptation
        Security Countermeasures Synchronization C3I Integration

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Accession #: 1068   AD #: 0
TITLE: Strategic Defense Initiative (SDI) Battle Command Control
        Communications (BM/C3) Technology Study Phase One
Author(s): Yuill, S.R.; Wentz, A.R.; de Pedro, H., et al
Date: 12/01/86   Pages:25   Report #: 0
Corp. Author: Air Force Communication & Electronics Association

Index Terms: Technology SDI Node Topology Management Security Interceptor
        Space DEW Orbit Airborne Sensor Battle

Accession #: 1069   AD #: 0
TITLE: AFCEA - SDI BM/C3 Technology Assessment Phase I Final Report: Team E
        - Communications: November 21, 1986
Author(s): Woywood, D.J.; Park, J.H.; Bickford, W.J., et al
Date: 11/21/86   Pages:77   Report #: 0
Corp. Author: Air Force Communication & Electronics Association

Index Terms: Battle Command Technology Communication Mission Surveillance
        Weapon Transmission Security Peace Engagement Error

Accession #: 1070   AD #: 0
TITLE: AFCEA SDI BM/C3 Study Team B Processors Phase One Report

Author(s): Ulmen, P.; Gregory, J.; Kenny., W.; Hill, J.
Date: 11/30/86   Pages:27   Report #: 0
Corp. Author: Air Force Communication & Electronics Associati n

Index Terms: Control RADC (Rome Air Development Command) NASA SDI
        Integration Computer Mission Technology Security Tolerance

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Accession #: 1071   AD #: 0
TITLE: Distributed Systems Technology Assessment For SDI

Author(s): Lawrence, M.
Date: 09/30/86   Pages:120   Report #: E-12256U
Corp. Author: Dynamics Research Corporation, 60 Frontage Rd., Andover, MA
                01810
Index Terms: Threat SDI Battle Command Control Communication Survival Node
        Research Response Security Surveillance

Accession #:   1072   AD #: O
TITLE: Second Project Integration Meeting March 6, 1986: Hypercube Research
        Project
Author(s): O
Date: 03/06/86   Pages:150   Report #: O
Corp. Author: Jet Propulsion Lab., Califorina Inst. of Tech., Pasadena, CA

Index Terms: Microelectronic NASA Architecture Computer Research Hypercube
            Communication Tolerance Simulation Army Algorithm

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Accession #:   1073   AD #: O
TITLE: SDI BM/C3 AFCEA Technology Study Team F - Man-Machine Interface and
        Decision Aids
Author(s): Miller, L.; Kelly, M.D.; Crane, H.; Franklin, J., et al
Date: O   Pages:33   Report #: O
Corp. Author: Air Force Communication & Electronics Association

Index Terms: Machine Industry SDI Media Simulation Validation Fusion
            Satellite Development Reconfiguration Threat Accident

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Accession #:   1074   AD #: O
TITLE: Eastport Panel on Computing for BM/C3

Author(s): Cohen, D.
Date: O   Pages:66   Report #: O
Corp. Author: USC/Information Sciences Institute, Marina del Rey, CA 90292

Index Terms: SDI Software Ballistic Missile Deterrence Congress Research
            Sensor Weapon Battle Eastport

Accession #:   1075   AD #: O
TITLE: SDI- A Technical Progress Report: August 1, 1986

Author(s): O
Date: 08/01/86   Pages:62   Report #: O
Corp. Author: Director, Strategic Defense Initiative Organization

Index Terms: Experiment Surveillance Development Optic Battle Management
            Radar Communication Control Command Polymer Lethal Technology

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Accession #:   1076   AD #: O
TITLE: Development Of A BM/C3 Architecture Effectiveness Model (AEM):
        Quarterly Review - Executive Summary
Author(s): Shaw, J. Dr.; Coughlin, P.E.; Blake, L.L.
Date: 09/29/86   Pages:20   Report #: SP-669-02
Corp. Author: ALPHATEC, Inc., 111 Middlesex Turnpike, Burlington, MA 01803

Index Terms: Sensor Weapon SDI Model Analysis Reconfiguration Jamming
            Battle Simulation Deployment

Accession #:   1077   AD #: O
TITLE: Fault-Tolerant Computer Architecture (FTCA) Modeling And
        Implementation
Author(s): Deckert, J.C.; Dunham, S. R.; Kastner, M.P.; et al
Date: 09/12/86   Pages:100   Report #: SP-667
Corp. Author: ALPHATECH Inc., 2 Burlington Exec. Cntr., 111 Middlesex
                Tnpk., Burlington, MA
Index Terms: Graphic Database Algorithm Automate Configuration

Accession #:   1078   AD #: O
TITLE: Target Assignment Algorithm Quarterly Briefing # 1

Author(s): Castanon, D.A. Dr.; Kramer, L.C. Dr.
Date: 10/23/86   Pages:58   Report #: SP-684
Corp. Author: ALPHATECH, Inc., 2 Burlington Exec. Cntr., 111 Middlesex
              Tnpk., Burlington, MA
Index Terms: Target Weapon Formula Algorithm Model BMD (Ballistic Missile
             Defense) Attack Allocation Strategy

Accession #:   1079   AD #: O
TITLE: Coordinated Many-On-Many Weapon Assignment Algorithms

Author(s): Korn, J.
Date: 10/01/86   Pages:13   Report #: SP-681
Corp. Author: ALPHATECH, Inc., 2 Burlington Exec. Cntr., 111 Middlesex
              Tnpk., Burlington, MA
Index Terms: Weapon Algorithm Platform Control Fire Battle Management KEW
             Boost DEW Target

Accession #:   1080   AD #: O
TITLE: Battle Management C3 Algorithm/Processing Evaluation System

Author(s): O
Date: 10/21/86   Pages:15   Report #: CS-200
Corp. Author: ALPHATEC, Inc., 2 Burlington Exec. Cntr., 111 Middlesex
              Tnpk., Burlington, MA
Index Terms: Battle Algorithm Tolerance Evaluation SDIO Technology
             Architecture Motion

Accession #:   1081   AD #: O
TITLE: Laser Countermeasure Materials Development Program Steering
       Committee Meeting - April 21 and 22, 1986
Author(s): O
Date: 04/21/86   ·   Pages:375   Report #: O
Corp. Author: The BDM Corporation, 7915 Jones Branch Dr., McLean, VA 22102

Index Terms: Carbon Thermophysical Anaylsis Laser Booster

Accession #:   1082   AD #: O
TITLE: Technology Today: "Foundation Of Tomorrow"

Author(s): Martin, W.
Date: 03/25/87   Pages:200   Report #: O
Corp. Author: Hercules, Inc., Washington, D.C.

Index Terms: Exposure Propulsion Configuration Motor Technology Rocket
             Ordnance Laser Explosion Smoke Propellant Millimeter Carbon

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Accession #:   1083   AD #: O
TITLE: SAS Precommit Simulations and Systems Effectiveness, Final Report

Author(s): Walters, T.A.
Date: 09/15/87   Pages:70   Report #: O
Corp. Author: SPARTA, 4901 Corporate Drive, Suite 102, Huntsville, AL 35805

Index Terms: Trajectorty ICBM USSR Booster Decoy Defense DEW Countermeasure
             Interceptor Radar Missile Reentry

Accession #: 1084   AD #: O
TITLE: Hypercube Research Project: Quarterly Report

Author(s): Curkendall, D.W.
Date: 05/01/86   Pages:07   Report #: D-3205
Corp. Author: Jet Propulsion Laboratory, Califorina Inst. of Tech.,
                Pasadena, CA 91109
Index Terms: Node Prototype Integration Communication Cube Asynchronous

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Accession #: 1085   AD #: O
TITLE: A Decentralized Approached to SDI BM/C3I: Autonomous Platform
        Operation
Author(s): O
Date: 10/23/85   Pages:16   Report #: O
Corp. Author: Sandia National Laboratories

Index Terms: Leakage Ratio Management Technology Threat Error Survivability
                Countermeasures SDIO Weapon Force Control Simulation Mission

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Accession #: 1086   AD #: O
TITLE: Rpt. to The Fed. Coordinating Council on Science, Eng. and Tech.
        Supercomputer Panel on Recommended Govt. Actions to Retain U.S. Lead
Author(s): O
Date: 12/01/83   Pages:76   Report #: O
Corp. Author: SIAM, Washington, D.C.

Index Terms: Supercomputer Research Development Ballistic Missile Fusion
                Energy Weapon Geophysic Aircraft Aerospace Science Behavior

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Accession #: 1087   AD #: O
TITLE: Third Annual NASA SCOLE Workshop: 1986

Author(s): Taylor, L. W.
Date: 11/18/86   Pages:468   Report #: NASA NTM 89075
Corp. Author: NASA, Langley Research Center, Hampton, VA 23665

Index Terms: Configuration Spacecraft Gravity Parameter Regulation NASA
                Augmentation Sensor Beam Formula Motion

Accession #: 1088   AD #: O
TITLE: Software Productivity Solutions: Corporate Profile

Author(s): O
Date: 12/01/86   Pages:40   Report #: O
Corp. Author: Software Productivity Solutions, Inc., P.O. Box 361697,
                Melbourne, FL 32936
Index Terms: (ADL) Ada-based Design Language Analysis Support Methodology
                Technology Science SDI (RADC) Rome Air Development Center Life

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Accession #: 1089   AD #: O
TITLE: ADL Guidelines: Final Technical Report

Author(s): Lindley, L. Dr.
Date: 01/14/86   Pages:95   Report #: O
Corp. Author: Software Productivity Solutions, Inc., P.O. Box 361697,
                Melbourne, FL 32396
Index Terms: Language Hardware Army Design Configuration SDI Navy Mission
                Technology

Accession #:   1090   AD #: 0
TITLE: Guidelines for the Development of an Ada-Based Design Language (ADL)
        Toolset: Final Report
Author(s): 0
Date: 01/14/85   Pages:43   Report #: 0
Corp. Author: Software Productivity Solutions, Inc., P.O. Box 361697,
              Melbourne, FL 32936
Index Terms: Analysis Error Decomposition Dependency Metric Translation
             Support Navy Language Control

Accession #:   1091   AD #: 0
TITLE: Guidelines for the Acquisition Management of a Project Using an
        Ada-Based Design Language (ADL)
Author(s): 0
Date: 01/23/85   Pages:43   Report #: 0
Corp. Author: Software Productivity Solutions, Inc., P.O. Box 361697,
              Melbourne, FL 32936
Index Terms: Configuration Design Code Test Acquisition Ratio Modular Globe
             Allocation

Accession #:   1092   AD #: 0
TITLE: SDS Battle Management Security Study: FY 87 Progress Report

Author(s): Skelton, A.
Date: 01/29/88   Pages:35   Report #: TM-8361/002/00
Corp. Author: Unisys Corporation, 5151 Camino Ruiz, Camarillo, CA 93010

Index Terms: Security Battle Downgrade Management Logic Software Analysis
             Policy Generic Methodology Space Command SDS

Accession #:   1093   AD #: 0
TITLE: Life Cycle Cost Inputs, Assumptions and Methods: Volume I - Cost
        Appendix
Author(s): Simas, R.S.; Kincaid, C., et al
Date: 02/10/88   Pages:96   Report #: 0
Corp. Author: W. J. Schafer Associates, 1901 N. Fort Myer Dr., Suite 800,
              Arlington, VA 22209
Index Terms: Integration Data Approach Methodology Algorithm Control
             Configuration

Accession #:   1094   AD #: 0
TITLE: Cost-Effectiveness and Cost-Exchange Analysis (SUBTASKS 6.5.2 and
        6.5.3)
Author(s): Simas, R.S.; Kincaid, C., et al
Date: 02/10/88   Pages:56   Report #: 0
Corp. Author: W. J. Schafer Associates, Inc., 1901 N. Fort Myer Dr.,
              Arlington, VA 22209
Index Terms: Cycle Cost Kill Laser Particle Airborne Radar Threat
             Methodology Space Deployment

Accession #:   1095   AD #: 0
TITLE: Appendices and Supporting Data: Volume IV - Cost Appendix

Author(s): Simas, R.S.; Kincaid, C., et al
Date: 02/10/88   Pages:100   Report #: 0
Corp. Author: W. J. Schafer Assoc., Inc., 1901 N. Ft. Myer Dr., Suite 800,
              Arlington, VA 22209
Index Terms: Weight Payload NASA Launch Shuttle Production Configuration
             Support Army Acquisition

Accession #:   1096   AD #: 0
TITLE: Command And Control Research Sysposium: 1987 Proceedings

Author(s): Miller, J.T.
Date: 09/01/87   Pages:506   Report #: SAIC-87-1119
Corp. Author: Science Applications Internat'l Corp., 1710 Goodbridge Dr.,
              McLean, VA 22102
Index Terms: Research Command Control Theory Intelligence Behavior Tactic
             Navy Policy Defense Trajectory

Accession #:   1098   AD #: 0
TITLE: Computing Development System (Codes): R & D Status Report for
       September 1987
Author(s): 0
Date: 01/09/87   Pages:002   Report #: CR-35-1357
Corp. Author: General Research Corporation, 635 Discovery Drive,
              Huntsville, AL 35806
Index Terms: Computation Development Defense Missile Technology

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Accession #:   1099   AD #: 0
TITLE: Transmittal Of Data Package For The Coolant Tank Critical Design
       Review (CDR)
Author(s): Pritchard, J. L.
Date: 02/11/88   Pages:32   Report #: A3-D302-2.5.13-SS-0176
Corp. Author: McDonnell Douglas, 5301 Bolsa Ave., Huntington Beach, CA
              92647-2048
Index Terms: Risk Stress Failure Subscale Test Coolant Tank Aircraft
             Propellant Nitrogen Military Development Design Missile Space

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Accession #:   1100   AD #: 0
TITLE: Sensors For Surveillance, Acquistion And Discrimination (87-688)
       Infrared Sensor Calibration Techniques And Standards: Infrared Calib
Author(s): 0
Date: 02/08/88   Pages:52   Report #: 0
Corp. Author: XonTech, Inc., 7711 Center Avenue, Suite 550, Huntington
              Beach, CA 92647
Index Terms: Star Stellar Equator Mission Calibration Photon Energy Angle
             Wavelength

Accession #:   1101   AD #: 0
TITLE: Computing Strategies For SDI Battle Management Command, Control And
       Communications Assignment Algorithms
Author(s): 0
Date: 01/27/88   Pages:55   Report #: 0
Corp. Author: HUBB Systems, Inc., P.O. Box 424, Hubbardston, MA 01452

Index Terms: Algorithm SDI BM/C3 Optimal Architecture Solution MAP
             (Marginal Assignment Potential) Calculation

Accession #:   1102   AD #: ADC002496
TITLE: Topical Report on Recurring Technical Problems In Soviet Tactical
       Aircraft - A Key To Identifying Critical Items On The COCOM Embargo
Author(s): Eggers, P.E.; Vergara, R.D.
Date: 03/01/74   Pages:0   Report #: ARPA-2399
Corp. Author: Battelle Columbus Laboratories, 505 King Avenue, Columbus, OH
              43201
Index Terms: Military Airborne Embargo Research Technology Soviet Aircraft
             Electronic Turbine Combat Methodology Solution Cycle Intellige

Accession #: 1103   AD #: 0
TITLE: Tracking and Discrimination Working Group Meeting For Period of Nov.
        4 through Nov. 6, 1987: Workshop # 5
Author(s): Richardson, K.
Date: 11/04/87   Pages:195   Report #: MCR-87-590
Corp. Author: Martin Marietta, Denver, CO

Index Terms: Plume Cone Growth Radiation Image Synthetic Laser Impulse
             Flash

Accession #: 1104   AD #: 0
TITLE: BSTS Crosslink Lasercom System Description

Author(s): Kaufman, J.
Date: 01/06/88   Pages:18   Report #: 0
Corp. Author: M.I.T. Lincoln Laboratory

Index Terms: Transmitter Receiver Telescope Module Acquistion Elevation
             Angle Technology Tracking Heterodyne Mirror Optic Array Laser

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Accession #: 1105   AD #: 0
TITLE: Critique Of McDonnell Douglas, "Laser Jamming Assessment"

Author(s): Chan, Vincent, W.S.
Date: 01/06/88   Pages:13   Report #: 0
Corp. Author: M.I.T. Lincoln Laboratory

Index Terms: Communication Wavelength Laser Module Code Receiver Noise
             Technology Calculation Transmitter Signal Space Cyrstalline

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Accession #: 1106   AD #: 0
TITLE: Review Of The RF Portions Of The McDonnell-Douglas Briefing
        Material, "Impact Of Spaced-Based Jammers On RF and Lasercom Links I
Author(s): McElroy, D.R.
Date: 01/06/88   Pages:008   Report #: 0
Corp. Author: M.I.T. Lincoln Laboratory, Lexington, MA

Index Terms: Threat Antenna Sidelobe Transmit Satellite Attack Hemispheric
             Code Error

Accession #: 1107   AD #: 0
TITLE: A V-Band (60-GHz) Crosslink For The BSTS-TO-Weapons Carrier
        Communications
Author(s): Cummings, W.C.
Date: 01/06/88   Pages:13   Report #: 0
Corp. Author: M.I.T. Lincoln Laboratory, Lexington, MA

Index Terms: Beam Optic Technology Threat Satellite Weapon Noise Signal
             Oxygen Circuit

Accession #: 1108   AD #: 0
TITLE: A Potential Discriminant For Light Decoys (Parametric Study)

Author(s): 0
Date: 01/05/88   Pages:009   Report #: 0
Corp. Author: IDA, Sci. & Tech. Div., 1801 N. Beauregard St., Alexandria,
                 VA 22311
Index Terms: Sensor Deployment Plume Interaction Exposure Accuracy
             Countermeasure Trajectory Histogram Meter

Accession #: 1109   AD #: 0
TITLE: Justification For Midcourse Optical Sensors

Author(s): 0
Date: 0   Pages:16   Report #: 0
Corp. Author: IDA, Sci. & Tech. Div., 1801 N. Beauregard St., Alexandria,
           VA 22311
Index Terms: Shadow Earth Calculation Atmosphere Radius Transparent
           Penumbra Launch Illuminate Sun Trajectory Winter Threat Solar

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Accession #: 1110   AD #: 0
TITLE: Scheduling Periodic Jobs Using Imprecise Results

Author(s): Chung, J.; Liu, J.; Lin, K.
Date: 11/30/87   Pages:30   Report #: UIUCDCS-R-87-1307
Corp. Author: Dept. of Computer Sci., Univ. of Il AT Urbana-Champaign,
           Urbana, Illinois
Index Terms: Time Deadline Environment Formula Error

Accession #: 1111   AD #: 0
TITLE: Communications - Computers: Teamed for the '90's, Conference Record
      - Volume I, II, III
Author(s): Aarons, J.; Cheer, A.P.; Horowitz, L.L., et al
Date: 10/05/86   Pages:550   Report #: 86CH2323-4
Corp. Author: IEEE Service Cntr., Pub. Sales Dept., 445 Hoes Lane,
           Piscataway, NJ 08854-4150
Index Terms: Battle Submarine Network Time Communication Nuclear Optic
           Blast Antenna Compression Array Military Space Fiber

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Accession #: 1112   AD #: 0
TITLE: Surveillance, Acquisition, Tracking and Kill Assessment (SATKA)
      Program Review
Author(s): Schnelzer, G. A., Col. USAF
Date: 11/16/87   Pages:11   Report #: 0
Corp. Author: Department of Defense, SDIO, Washington, D.C. 20301-7100

Index Terms: Sensor Space Algorithm Technology Radar Optic Silicon Arsenide

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Accession #: 1113   AD #: 0
TITLE: EV88 Baseline Architecture Requirements (Cast Task No. 5)

Author(s): Peterson, C. J.
Date: 11/20/87   Pages:35   Report #: 86010
Corp. Author: The MITRE Corporation, Wash. C3I Div., 7525 Colshire Dr.,
           McLean, VA 22102-3481
Index Terms: Threat Tube Terminal Algorithm Sensor Cluster Battle Attack
           Trajectory Debris Missile Angle Decoy

Accession #: 1114   AD #: 0
TITLE: Strategic Defense System BM/C3 And Implicit Coordination

Author(s): Schutt, W. D.
Date: 11/20/87   Pages:14   Report #: 0
Corp. Author: TRW

Index Terms: Battle Weapon Allocation Defense Coordination Sensor Readiness
           Efficiency Earth Task Survival Orbit Threat

Accession #:   1115   AD #: 0
TITLE: Monthly Status Report On Contract (MDA903-85-C-0064) for Period
          Ending 23 November 1987
Author(s): 0
Date: 11/23/87   Pages:16   Report #: 0
Corp. Author: 0

Index Terms: DEW (Defense Energy Weapon) Threat Mission Strategy Methodolgy

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Accession #:   1116   AD #: 0
TITLE: A Correlator/Tracker Algorithm For SDI Midcourse Battle Management

Author(s): 0
Date: 01/15/88   Pages:15   Report #: 0
Corp. Author: Strategic Defense Initiative Organization, Washington, D.C.

Index Terms: Vehicle Decoy Target SDI Surveillance Support Sensor Boost
               Weapon Algorithm Map Allocation Kill Configuration

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Accession #:   1117   AD #: 0
TITLE: Nunn Outlines New Arms Control and Strategic Modernization Agenda

Author(s): Nunn, Sam, United States Senator
Date: 01/19/88   Pages:13   Report #: 0
Corp. Author: United States Senate, Washington, D.C.

Index Terms: Arms Soviet Missile Development Defense Weapon Civilian
               Chernobyl Bhopal Telecommunication Treaty SDI Space

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Accession #:   1118   AD #: 0
TITLE: BM/C3 Concept Definition Project Technical Interchange Meeting

Author(s): 0
Date: 02/23/88   Pages:003   Report #: 0
Corp. Author: TRW

Index Terms: Concept Battle Threat Strategy Control Technology
               Communication

Accession #:   1119   AD #: 0
TITLE: International Software Integrity: The Need For A Common Defense
          Initiative
Author(s): Mills, M. H.
Date: 01/01/87   Pages:003   Report #: 0
Corp. Author: Defense Science & Electronics, Rush Franklin Publishing, Inc.

Index Terms: SDI Software NATO Military Trade Research Circuit Technology
               Design Methodology

Accession #:   1120   AD #: 0
TITLE: Software Development Structure: Technical Report, Research and
          Development Status Report
Author(s): Jones, M. J.
Date: 01/15/87   Pages:006   Report #: SN46117
Corp. Author: TRW, System Dev. Div., 213 Wynn Dr., Huntsville, AL 35805

Index Terms: Support Translator Sun Simulation Development Installation
               Technology Radar

Accession #: 1121   AD #: O
TITLE: The Third Conference on Hypercube Concurrent Computers and
        Applications
Author(s): O
Date: 01/19/88   Pages:12   Report #: O
Corp. Author: California Inst. of Tech., Pasadena, CA

Index Terms: Velocity Seismic Parallel Node Algorithm Hypercube Equation
            Linear Image Propulsion Hydrodynamic

Accession #: 1122   AD #: O
TITLE: (SADMT) SDI Architecture Dataflow Modeling Technique

Author(s): Linn, J.; Ardoin, Cy D., et al
Date: 08/24/87   Pages:60   Report #: P-2035
Corp. Author: IDA, 1801 N. Beauregard Street, Alexandria, VA 22311

Index Terms: Wave Environment Logic Threat SDI Sensor Weapon Equation
            Collision Missile Simulation Communication Detonation Nuclear

Accession #: 1123   AD #: O
TITLE: "Cost/Affordability Requirements"

Author(s): Ansten, P. B.
Date: 12/04/87   Pages:150   Report #: 1-051-04-461
Corp. Author: SIAC, 1710, Goodridge Dr., P.O. Box 1303, McLean, VA 22102

Index Terms: Production Revolution Reduction SDI Support Weapon Cycle
            Acquisition Methodology Analysis

Accession #: 1124   AD #: O
TITLE: SAIC Team on the Systems Architecture and Key Trades (SAKT) Study
        for November and December 1987 and January 1988.
Author(s): Patterson, K. E.
Date: 01/26/88   Pages:005   Report #: O
Corp. Author: SAIC, 1710 Goodridge Dr., P.O. Box 1303, McLean, VA 22102

Index Terms: Affordability Integration Analysis Mission Technology
            Survivability Methodology

Accession #: 1125   AD #: O
TITLE: Basing Exclusionary Criteria - Final

Author(s): Block, E.; Hildreth, E.; Wohlfert, K.
Date: 03/31/88   Pages:155   Report #: SIA-TR-CDRL-D001
Corp. Author: SAIC, 1710 Goodridge Dr., McLean, VA 22102

Index Terms: Wartime Threat Analysis Midcourse BM/C3 Vunerability
            Transition Logistic Reduction Development Crisis Launch Attack

Accession #: 1127   AD #: O
TITLE: Monthly Status Report for the Period of November 24, 1987 thru
        January 23, 1988.
Author(s): Kinney, R.M.S.
Date: 01/28/88   Pages:10   Report #: ULW-G-8-576
Corp. Author: Sparta, Inc., 7926 Jones Branch Drive, McLean, VA 22102-3303

Index Terms: Simulation Battle Control Space Analysis Cost Security
            Midcourse Defense Evaluation Task Technology

Accession #: 1128   AD #: 0
TITLE: SOFTECH Capabilities

Author(s): 0
Date: 01/12/88   Pages:009   Report #: VG-1172
Corp. Author: SOFTECH, 460 Totten Pond Rd., Waltham, MA 02254

Index Terms: Technology Development Application Test Avionic Logistic
             Design Support Microprocessor

Accession #: 1129   AD #: 0
TITLE: Managing Data In A Space Based Weapons System

Author(s): 0
Date: 0   Pages:25   Report #: VG-1165
Corp. Author: SOFTECH, 460 Totten Pond Rd., Waltham, MA 02254

Index Terms: SDI Survivability Node Configuration Solution Application

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Accession #: 1132   AD #: 0
TITLE: EV88 Battle Management Algorithm Status (U)

Author(s): 0
Date: 0   Pages:22   Report #: 1287-006
Corp. Author: SPARTA, Inc., 4901 Corporate Drive, Huntsville, AL 35805

Index Terms: Algorithm Methodology BM (Battle Management) SDI Assessment
             Midcourse Kill Threat Lethal

Accession #: 1133   AD #: 0
TITLE: Request for Proposal (RFP) SDIO84-R-0002, Phase I Strategic Defense
         System, Systems Engineering and Integration
Author(s): Abrahamson, J.A. Lt. Gen., USAF
Date: 01/27/88   Pages:500   Report #: 0
Corp. Author: DoD, SDIO, Washington, D.C. 20301-7100

Index Terms: Integration Research Test Command Control Validation Schematic
             Analysis Exoatmospheric Simulation Life Survivability

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Accession #: 1135   AD #: 0
TITLE: Complexity Of Scheduling Parallel Task Systems

Author(s): Du, J.; Leung, J. Y-T
Date: 0   Pages:32   Report #: UTDCS 6-87
Corp. Author: The University of Texas at Dallas, Richardson, Texas
             75083-0688
Index Terms: Task Algorithm Multiprocessor Theory Solution Execution
             Equation

Accession #: 1136   AD #: 0
TITLE: Preemptive Scheduling With Release Times and Deadlines

Author(s): Hong, K.S.; Leung, J. Y-T
Date: 0   Pages:30   Report #: UTDCS 7-87
Corp. Author: The University of Texas at Dallas, Richardson, Texas
             75083-0688
Index Terms: Algorithm Exploit

Accession #: 1137   AD #: 0
TITLE: Minimizing Scheduling Length Subject To Minimum Flow Time

Author(s): Young, G.H.; Leung, J. Y-T
Date: 0   Pages:26   Report #: UTDCS 9-87
Corp. Author: The University of Texas at Dallas

Index Terms: Algorithm Theory Optimal

Accession #: 1138   AD #: 0
TITLE: National Test Bed (NTB) - B612

Author(s): 0
Date: 0   Pages:19   Report #: 0
Corp. Author: SDIO, Dept. of Defense, Washington, D.C.

Index Terms: Reduction Communication Control Simulation Technology SDI
              Space Node Experiment

Accession #: 1139   AD #: 0
TITLE: Integrated Architecture Analysis (IAA) Methodology & System
        Description Language (SDL)
Author(s): Small, A.W.
Date: 10/27/87   Pages:50   Report #: 0
Corp. Author: SRS Technologies,

Index Terms: Attack Battle Space Logic Static Behavior Launch Concept
              Simulation Leakage Weapon Threat Translation

Accession #: 1140   AD #: 0
TITLE: Integrated Architecture Analysis Assures Success During DEM VAL

Author(s): Frase, D.
Date: 0   Pages:50   Report #: 0
Corp. Author: SRS Technologies

Index Terms: Eastport Study Group SDIO Battle BMD (Ballistic Missile
              Defense) Methodology Topology Threat Algorithm

Accession #: 1142   AD #: 0
TITLE: Center For Interdiscipilinary Research in Information Systems
        (CIRIS)
Author(s): Campbell, T. L., Dir.
Date: 01/13/88   Pages:30   Report #: 0
Corp. Author: College of Bus. Admin., Pennsylvania State University

Index Terms: Research Survival Revolution Technology Global Strategic
              Psychology Sociology Philosophy

Accession #: 1144   AD #: 0
TITLE: Strategic Defense Initiative Organization, Office of Technology
        Applications - SDIO/TA
Author(s): 0
Date: 0   Pages:14   Report #: 0
Corp. Author: Strategic Defense Initiative Organization, Washington, D.C.

Index Terms: SDI Technology Industry Economy Diffusion Law Congress Mission
              Research Communication Science Evaluation

Accession #: 1145   AD #: 0
TITLE: High Endoatmospheric Defense Interceptor In-Process Review No. I

Author(s): 0
Date: 05/01/86   Pages:95   Report #: MDC-H2428
Corp. Author: McDonnell Douglas Astronautics Co., 5301 Bolsa Ave.,
              Huntington Beach, CA 92647
Index Terms: Analysis Simulation Test Assurance Safety Integration Vehicle
             Avionic Laser Algorithm Warhead Airframe Window

Accession #: 1147   AD #: 0
TITLE: Gun Launched Target Vehicles For SDI Flight Tests

Author(s): Osofsky, I.B.
Date: 12/15/87   Pages:35   Report #: GLTV-87-03-TR
Corp. Author: Sparta, Inc., 3440 Carson St., Suite 300, Torrance, CA 90503

Index Terms: Mission Scope Space Research Trajectory Motor Mirror Optic
             Rocket Gun Electronic Vacuum

Accession #: 1148   AD #: 0
TITLE: Multiple Satellite System Network

Author(s): 0
Date: 0   Pages:26   Report #: 0
Corp. Author: M/A-COM

Index Terms: Development Airborne Target Satellite Tolerance Control
             Allocation Security Earth Node Space Traffic Transmission

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Accession #: 1150   AD #: 0
TITLE: Target Tracking Against Depressed Trajectories

Author(s): Atha, P. L.
Date: 02/09/88   Pages:30   Report #: NRC-TR-88-020
Corp. Author: NRC, 4040 So. Memorial Parkway, Huntsville, AL 35802-1326

Index Terms: Sensor Error Attack Radar Earth Polarization Target Trajectory
             Angle Filter Mission Washington, D.C. Calculation

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Accession #: 1151   AD #: 0
TITLE: SBIR Phase I Final Report: "Electron Cyclotron Resonance Source for
       High Current Heavy Ion Beams"
Author(s): Popov, O. Dr.
Date: 03/01/88   Pages:52   Report #: 0
Corp. Author: MicroScience, Inc., 41 Accord Park Drive, Norwelll, MA 02061

Index Terms: Oxygen Nitrogen Target Destruction Axial Microwave Electron
             Calorimetric Radiation Vacuum Plasma Configuration

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Accession #: 1154   AD #: 0
TITLE: A Report To Congress on the Strategic Defense Initiative Deployment
       Schedule
Author(s): 0
Date: 05/12/87   Pages:29   Report #: 0
Corp. Author: The Department of Defense, SDIO, Washington, D.C.

Index Terms: SDI Technology Development Agressor Force Ally Ballistic
             Missile United States Satellite Attack Survival Warning

Accession #:   1155   AD #: 0
TITLE: A Report to the Congress on the Anti-Ballistic Missile Treaty

Author(s): 0
Date: 09/21/87   Pages:24   Report #: 0
Corp. Author: The Department of Defense, Washington, D.C.

Index Terms: SDI Exploration Deployment Validation Lethal Kill Sensor Cost
             Surveillance Soviet Treaty Communication Energy Technology

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Accession #:   1156   AD #: 0
TITLE: Improving The Performance Of AI Algorithms

Author(s): Pancake, C.
Date: 09/30/87   Pages:120   Report #: RADC-TR-87-131
Corp. Author: Auburn Univ., Dept. of Computer Sci. & Eng., 107 Dunstan
             Hall, AL 36849-3501
Index Terms: Intelligence Algorithm Language Software Computation Theory
             Paradigm Strategy

Accession #:   1157   AD #: 0
TITLE: Strategic Defense Organization - Technical Program Information

Author(s): Ionson, J.A. Dr.
Date: 0   Pages:40   Report #: 0
Corp. Author: Innovative Science & Technology Office, SDIO/T/IS,
             Washington, D.C. 20310-7100
Index Terms: Chemical SDI Science Mission Moon Technology Vapor Space
             Telecommunication Sensor Algorithm Detector Energy Wavelength

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Accession #:   1158   AD #: 0
TITLE: ERIS IN-Process Review (IPR) #4

Author(s): Loomis, W.C.
Date: 09/09/86   Pages:281   Report #: LMSC-F-133953
Corp. Author: Lockheed Missiles & Space Co., 1111 Lockheed Way, Sunnyvale,
             CA 94089-3504
Index Terms: Noise Booster Launch Development Simulation Propulsion Test
             Safety Cycle Research Rocket Optic Allocation

Accession #:   1163   AD #: 0
TITLE: High-Resolution Absorption Spectroscopy of NO2

Author(s): Koffend, J.B.; Holloway, J.S.; Kwok, M.A.; Heinder, R.F.
Date: 08/31/87   Pages:31   Report #: TR-0086A(2930-05)-1
Corp. Author: Aerophysics Laboratory, The Aerospace Corporation, El
             Segundo, CA 90245
Index Terms: Atmosphere Laser Dioxide Nitrogen Spectroscopy Rotation
             Pollution Xenon Molecule Thermophane Insulation Detection Wind

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Accession #:   1164   AD #: 0
TITLE: Meeting Our Foreign Policy Goals

Author(s): Secretary Shultz, G.
Date: 03/10/88   Pages:007   Report #: P-1054
Corp. Author: United States Dept. Of State, Bureau of Public Affairs,
             Washington, D.C.
Index Terms: Military Strength Economic Soviet Union President Reagan
             Resolution Peace Assault Terrorism INF (Intermediate-Range Nuc

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Accession #:  1166                    AD #: 0
TITLE: Public Perceptions of Space Nuclear Power


Author(s): Aftergood, S.
Date: 01/11/88      Pages:14      Report #: 0
Corp. Author: Commitee to Bridge the Gap, 1637 Butler Avenue, Los Angeles,
              CA 90025
Index Terms: Reactor Planet Space Evacuation Nuclear Satellite Navagation
             Canada Atomic Radioactive Safety SDI Weapon Security


Accession #:  1167                    AD #: 0
TITLE: Nuclear Aspects of the Strategic Defense Initiative


Author(s): Aftergood, S.
Date: 04/2 '87       Pages:14      Report #: 0
Corp. Author: Committee to Bridge the Gap, 1637 Butler Avenue, Los Angeles,
              CA 90025
Index Terms: Sensor NDEWS (Nuclear Directed Energy Weapons) Laser Microwave
             Space SDI Radius Missile Shock X-Ray Deployment Launch


Accession #:  1168                    AD #: 0
TITLE: The A.F. Space Command And NSIA Space Committee: Space Command
         Industry Conference
Author(s): 0
Date: 02/29/88      Pages:95      Report #: 0
Corp. Author: National Security Industrial Association

Index Terms: Mission Navy Resource Launch Science Military Combat Enemy
             Communication Technology Missile Defense Survival


Accession #:  1171                    AD #: 0
TITLE: SDI Tracker/Correlator Algorithm Test Bed Implementation Document:
         Addendum For Revision One
Author(s): Erbacher, J.
Date: 10/22/87      Pages:009      Report #: R-041-87
Corp. Author: Ball Systems Engineering Division, 1100 Wilson Blvd.,
              Arlington, VA 22209-2105
Index Terms: Algorithm Ratio Dimension Target Distance Velocity Decoy
             Cluster


Accession #:  1172                    AD #: 0
TITLE: Algorithm Description Document


Author(s): 0
Date: 08/10/87      Pages:21      Report #: WARM-001-87
Corp. Author: AT&T Technologies, Greensboro, N.C.

Index Terms: Allocation Ballistic Missile Weapon Test Target Algorithm
             Solution Defense Attack Leak Destruction Formula Kill


Accession #:  1174                    AD #: 0
TITLE: SDI: Battle Management/Command, Control And Communications (BM/C3)
         Technology Study - Phase One
Author(s): 0
Date: 08/01/87      Pages:198      Report #: 0
Corp. Author: AFCEA Intr'nl., 4400 Fair Lakes Court, Fairfax, VA 22033-3899

Index Terms: Communication Control Defense Technology SDIO Eastport
             Computer Military Space Atmospheric Error Methodology Security
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Accession #:   1176   AD #: 0
TITLE: Space Electronics Market Study: 1987 Specific Market Study

Author(s): Geron, J.D.
Date: 10/06/87   Pages:135   Report #: 0
Corp. Author: Elec. Industries Assoc., 2001 Eye St., N.W., Washington, D.C.
              20006
Index Terms: Space Electronic Military NASA Transportation KEW (Kinetic
             Energy Weapon) Launch Weather Communication Security Analysis

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Accession #:   1177   AD #: 0
TITLE: Algorithm Suite For Defensive Weapons Allocation

Author(s): Bravy, S.
Date: 0   Pages:10   Report #: 0
Corp. Author: Naval Research Laboratory, Washington, D.C. 20375

Index Terms: Engagement Ballistic Missile Algorithm Allocation Employment
             Weapon Attack Defense Battle Strategy Population Threat Target

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Accession #:   1178   AD #: 0
TITLE: DoD Program Perspectives: Program And Technology Opportunities In
       Defense Electronics
Author(s): Lent, C.D.
Date: 10/06/87   Pages:129   Report #: 0
Corp. Author: Elec. Industries Assoc., 2001 Eye St., N.W., Washington, D.C.
              20006
Index Terms: Mission Defense Industry Treaty Congress Pentagon Acquisition
             Surveillance Aircraft Warhead

Accession #:   1180   AD #: 0
TITLE: Signal Processing For An Advanced Surveillance Mission (U)

Author(s): Gajewski, R., LTC
Date: 03/01/88   Pages:16   Report #: 0
Corp. Author: Nichols Research Corporation, Hunstville, AL

Index Terms: Sensor Data Density Threat Mission Analog Detector Integration
             Gamma Linear Buffer Waveband

Accession #:   1181   AD #: 0
TITLE: Engineering Discipline for Software Procurement

Author(s): Mills, H.D.
Date: 04/22/87   Pages:10   Report #: 0
Corp. Author: IBM, 6600 Rockledge Dr., Bethesda, MD 20817

Index Terms: Development Sensor Aircraft Control Error Design Analysis
             Transportation Algorithm

Accession #:   1182   AD #: 0
TITLE: The Status Of Radiation - Hardened Integrated Circuit Technology For
       SDI Systems
Author(s): Herndon, R.
Date: 02/03/88   Pages:33   Report #: 0
Corp. Author: Air Force Space Technology Center, Kirtland AFB, NM

Index Terms: Module Power Chip Circuit Wafer Silicon Radiation Test
             Architecture Memory

Accession #: 1183   AD #: 0
TITLE: The Total Computer Security Problem: An Overview

Author(s): Shankar, K.S.
Date: 06/01/77   Pages:16   Report #: 0
Corp. Author: 0

Index Terms: Security Computer Threat Communication Surveillance Military
             Privacy

Accession #: 1184   AD #: 0
TITLE: A Distributed Secure System

Author(s): Rushby, J.; Randell, B.
Date: 07/01/83   Pages:13   Report #: 0
Corp. Author: 0

Index Terms: Policy Security Classification Access Control Code NATO Secret
             Trust Degradation Destruction Communication

Accession #: 1185   AD #: 0
TITLE: Ballistic Missile Defense: 1944 - 1983

Author(s): Baucom, D.R., LT COL, USAF
Date: 0   Pages:004   Report #: 0
Corp. Author: SDIO, The Pentagon, Washington, D.C.

Index Terms: Enemy Missile Vehilce Defense Deployment Army Safeguard China
             Air Force Development Radar Warhead

Accession #: 1186   AD #: 0
TITLE: SDI Space-Based Battle Management/Command, Control And Communication
       (BM/C3) Experimental Version (EV) Design Phase: Program Management R
Author(s): 0
Date: 02/10/88   Pages:65   Report #: DI-A-3024A/T
Corp. Author: SPARTA, Inc., 7926 Jones Branch Dr., Suite 1070, McLean, VA
              22102
Index Terms: Technology Communication Military Application Risk Algorithm
             SDIO Analysis Traceability Allocation Development

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Accession #: 1187   AD #: 0
TITLE: Strategic Defense Initiative Ada* Process Description Language
       Version 1.00
Author(s): Linn, C.; Linn, J.; Kappel, M.R.; Salasin, J.
Date: 03/16/87   Pages:53   Report #: P-1983
Corp. Author: IDA, 1801 N. Beauregard St., Alexandria, VA 22311

Index Terms: SDI Simulation Evaluation Control Management Battle Code
             Architecture

Accession #: 1190   AD #: 0
TITLE: PLZT Electro-Optic Photographic System

Author(s): Brown, L.L.
Date: 07/31/87   Pages:48   Report #: 5-32935
Corp. Author: Univ. of Denver, Colorado Seminary, P.O. Box 10758, Denver,
              CO 80210
Index Terms: Picture Explosive Radiation Optic Propellant Deployment
             Prototype Power Battery Circuitry Suppressor Philosophy Target

Accession #:   1191   AD #: 0
TITLE: SDI Software Testing

Author(s): 0
Date: 0   Pages:005   Report #: 1301-07.3
Corp. Author: 0

Index Terms: Simulation Architecture Model Support Design Development
              Translation Deployment Strategy Battle Feasibility Security

---

Accession #:   1193   AD #: 0
TITLE: Situation Assessment And Strategic Planning (SASP) - Algorithm
        Design Document
Author(s): 0
Date: 08/21/87   Pages:95   Report #: SASP-001-87
Corp. Author: Navy Research Laboratory

Index Terms: Intelligence Management Attack Preditor Threat Allocation
              Defense Battle Warhead Test Data

Accession #:   1194   AD #: 0
TITLE: Environment Top Level Design Document

Author(s): 0
Date: 09/01/87   Pages:61   Report #: ENV-002-87
Corp. Author: Applied Technology Assoc., 5520 Cherokee Ave., Alexandria, VA
              22312
Index Terms: Control (TTF) Threat Trajectory File Technology Simulation
              Balloon Decoy Launch Error Ballistic Target Kill (SRG) Sensor

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Accession #:   1195   AD #: 0
TITLE: Research for Adaptive Distributed Network Management System:
        Selected Algorithm Description
Author(s): Cain, J.B.; Adams, S.L.; Noakes, M.D., et al
Date: 11/05/87   Pages:110   Report #: ACN-007B-87
Corp. Author: Harris Government Aerospace System Div., P.O. Box 94000,
              Melbourne, FL 32902
Index Terms: Metric Algorithm Topology Design Diversity SDI Traffic
              Management Control

Accession #:   1197   AD #: 0
TITLE: Research for Adaptive, Distributed Network Management System: Final
        report On Algorithm Testing
Author(s): Shaikh, M.A.; Knokee, P.J.; Mohre, C.L.
Date: 02/16/88   Pages:97   Report #: ACN-015-87
Corp. Author: Harris Corp., Govt. Sys. Sector, P.O. Box 95000, Melbourne,
              FL 32902
Index Terms: Algorithm Test Survivability Error SDI Security Analysis
              Performance Node Regression

Accession #:   1198   AD #: 0
TITLE: Research for Adaptive, Distributed Network Management System:
        Algorithm Research Report
Author(s): Cain, J.B.; Adams, S.L.; Noakes, M.D., et al
Date: 09/25/87   Pages:95   Report #: ACN-019-87
Corp. Author: Harris Corp., Govt. Sys. Sector, P.O. Box 95000, Melbourne,
              FL 32902
Index Terms: SDI Design Algorithm Topology Node Metric Dissemination
              Cluster Traffic

Accession #: 1199   AD #: 0
TITLE: Research for Adaptive, Distributed Network Management System: Harris
        Simulation Design Description
Author(s): Kryst, T.E.; Knoke, P.J.; Mohre, C.L.
Date: 09/05/86   Pages:30   Report #: ACN-005-87
Corp. Author: Harris Corp., Govt. Sys. Sector, P.O. Box 95000, Melbourne,
              FL 32902
Index Terms: Experiment Simulation Configuration Flow Comtrol Node Sensor
             Mapping Algorithm Communication

Accession #: 1201   AD #: 0
TITLE: SDI Tracker/Correlator Algorithm Implementation Document

Author(s): Todd, J.; Erbacher, J.A.; Hopkins, C.
Date: 04/17/87   Pages:120   Report #: T/C-002-87
Corp. Author: VERAC, Inc., 9605 Scranton Rd., Suite 500, San Diego, CA
              92121-1771
Index Terms: Algorithm Correlator Processor Software Track Target File
             Vehicle Configuration Cluster Decoy Calculation Module Scan

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Accession #: 1203   AD #: 0
TITLE: SDI Tracker/Correlator Testbed Design Document-Draft

Author(s): Erbacher, J.A.; Davis, J.S.
Date: 12/12/86   Pages:129   Report #: T/C-004C-87
Corp. Author: VERAC Inc., 9605 Scranton Rd., Suite 500, San Diego, CA
              92121-1771
Index Terms: Algorithm Testbed Design Evaluation Target Trajectory
             Generator Decoy Surveillance Computer Emission Fuselage Noise

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Accession #: 1204   AD #: 0
TITLE: SDI Tracker/Correlator - Phase One Algorithm Test Report

Author(s): Erbacher, J.A.
Date: 10/01/87   Pages:120   Report #: T/C-010-87
Corp. Author: Ball Systems Engineering Division

Index Terms: Analysis Sensor Surveillance Radar Test Algorithm Decoy Launch
             Angle Degree Frequency Velocity Satellite Orbit Ratio Error

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Accession #: 1207   AD #: 0
TITLE: The Complexity Of AI Algorithms

Author(s): Hartman, C.R.P.; Varshey, P.K., et al
Date: 09/01/87   Pages:84   Report #: RADC-TR-87-132
Corp. Author: Syracuse Univ., Sch. of Computer & Info. Sci., 313 Link Hall,
              Syracuse, NY 13244
Index Terms: Computer Algorithm Research Linear Polynomial Mapping
             Dimension

Accession #: 1208   AD #: 0
TITLE: STD--Program Overview Presentation

Author(s): 0
Date: 03/05/86   Pages:11   Report #: 0
Corp. Author: IDA, Science & Tech. Div., 1801 N. Beauregard St.,
              Alexandria, VA 22311
Index Terms: Technology Mission Policy Research DARPA SDIO Phenomenology
             Transportation Security Sensor

Accession #: 1209   AD #: 0
TITLE: NTB Integration Contract Work Breakdown Structure, Revision One
         (NTB-202/402-002)
Author(s): Richmond, C. E.
Date: 03/31/88   Pages:003   Report #: NTB-88-0206
Corp. Author: Martin Marietta Info. & Comm. Sys., P.O. Box 1260, Denver, CO
              80201-1260
Index Terms: Test Bed Research Integration

Accession #: 1211   AD #: 0
TITLE: Electromagnetically Launched Micro Spacecraft For Space Science
         Missions
Author(s): Jones, R. M.
Date: 01/11/88   Pages:009   Report #: AA-88-0068
Corp. Author: Amer. Inst. of Aeronautics and Astronautics, 555 W. 57th St.,
              New York, NY 10019
Index Terms: Launch Technology Catastrophy Space Development Energy Railgun
             Magnetosphere Mission Mars Solar Science Kinetic

Accession #: 1212   AD #: 0
TITLE: An Overview of DOE and SDIO MHD Program Activities at PETC

Author(s): Carabetta, R.A.; Chambers, H.F. Jr., et al
Date: 01/11/88   Pages:11   Report #: AA-88-0720
Corp. Author: Amer. Inst. of Aeronautics and Astronautics, 370 L'Enfant
              Prom., Wash., D.C.
Index Terms: Technology NASA SDIO DOE Gas Liquid Compression Kinetic Energy
             Reaction Potassium Oxygen Integration Test Explosion

Accession #: 1215   AD #: 0
TITLE: History Of Strategic Defense: Final Report

Author(s): Maust, R.L.; Goodman, G.W. Jr.; McLain, C.E.
Date: 09/01/81   Pages:029   Report #: SPC-742
Corp. Author: System Planning Corporation, 1500 Wilson Blvd., Arlington, VA
              22209
Index Terms: Civil Missile Defense Attack Ballistic Space Science
             Development Deterrence Hostility Aircraft Balance

Accession #: 1216   AD #: 0
TITLE: Principled Realism: A Foundation for U.S. Foreign Policy

Author(s): Whitehead, J.C.
Date: 03/16/88   Pages:003   Report #: 1059
Corp. Author: U.S. Dept. of State, Bureau of Public Affairs, Washington,
              D.C.
Index Terms: Government Politics Security Policy Soviet Union Brazil
             Aggression Angola Nuclear Strategic Weapon Defense West Bank

Accession #: 1217   AD #: 0
TITLE: Executive Summary and Final Report for Hostile Booster Trajectory
         Estimation
Author(s): Wright, J.R.
Date: 05/29/87   Pages:50   Report #: RADC/ATA Task No. 001
Corp. Author: Applied Technology Associates, Inc., Deleware

Index Terms: Algorithm Sensor Rocket ICBM Design Error Spacecraft
             Resolution Launch Target Simulation

Accession #: 1218   AD #: O
TITLE: An Analysis of Multiple Grain CHiP Architectures: Final report

Author(s): Snyder, L.
Date: 09/01/86   Pages:10   Report #: FR-35
Corp. Author: Dept. of Computer Science, Univ. of Washington, Seattle,
              Washington 98195
Index Terms: Architecture Computation Analogy Logic Propagation Conversion
             Array Research

Accession #: 1221   AD #: O
TITLE: FY 1989 Assistance Proposals for the Middle East and North Africa

Author(s): Murphy, R.W.
Date: 03/24/88   Pages:003   Report #: 1063
Corp. Author: United States Dept. of State, Bureau of Public Affairs,
              Washington, D.C.
Index Terms: Middle East Negotiation Threat Security Egypt War Peace
             Support Economy

Accession #: 1222   AD #: O
TITLE: Meeting the Challenge of Budgetary Austerity

Author(s): Spiers, R.I.
Date: 03/30/88   Pages:003   Report #: 1064
Corp. Author: U.S. Dept. of State, Bureau of Public Affairs, Washington,
              D.C.
Index Terms: Mission Diplomat Korea Democracy Terrorist Spain Resolution
             Security Radarscope Congress GAO (General Accounting Office)

Accession #: 1224   AD #: O
TITLE: SDI Sensor Data Fustion: A Discussion Paper

Author(s): O
Date: 01/01/88   Pages:005   Report #: O
Corp. Author: Advanced Sys. Architectures Ltd., 73-79 Park St., Camberley
              Surrey, UK GU15 3PE
Index Terms: Methodology Fusion United Kingdom Algorithm Sensor
             Architecture Solution Simulation Post Bost-Phase Technology

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Accession #: 1227   AD #: O
TITLE: Demonstration Of Specification Methodology For SDI Sensor Data
       Fusion: Volume I - Final Report
Author(s): O
Date: 03/15/88   Pages:166   Report #: T88/001
Corp. Author: Advanced Sys. Architectures Ltd., 73-79 Park St., Camberley
              Surrey, GU15 3PE UK
Index Terms: Fusion Ballistic Missile Decomposition SDI Philosophy Sensor
             Architecture Design Trajectory

Accession #: 1229   AD #: O
TITLE: Demonstration Of Specification Methodology For SDI Sensor Data
       Fusion: Volume II - Phase II Report
Author(s): O
Date: 01/15/87   Pages:15   Report #: SDI/D039F
Corp. Author: Advanced Sys. Architectures, 73-79 Park St., Camberley
              Surrey, GU15 3PE UK
Index Terms: United Kingdom Sensor Fusion Methodology Transition Design
             Broadcast Allocation Battle Management Global Algorithm

Accession #:   1232   AD #: 0
TITLE: Technical And Analytic Support Contract For Sensors Signal
         Processing Management: First Monthly Report
Author(s): Madden, E.
Date: 04/15/88   Pages:008   Report #: 0
Corp. Author: Nichols Research Corporation, 4040 S. Memorial Pwky,
                 Huntsville, AL 35802-1326
Index Terms: Technology Sensor Support NRC SDIO

Accession #:   1233   AD #: 0
TITLE: Proposal To Defense Advanced Projects Agency: Strategic Computing
         Support
Author(s): Uncapher, K.W., Director
Date: 12/22/86   Pages:77   Report #: 0
Corp. Author: ISI, USC, Los Angeles, CA 900089-1147

Index Terms: Military FBI Configuration Software Media Science Computer
             Microsystem DARPA

Accession #:   1235   AD #: 0
TITLE: Dynamic Simulations Of Large-Scale Directed Energy Missile Defense
         Boost Phase Engagements
Author(s): Parks, A.D.
Date: 11/01/86   Pages:24   Report #: NSWC-TR-85-271
Corp. Author: Naval Surface Weapons Center, Dahlgren, VA 22448-5000

Index Terms: Simulation Laser Space ICBM (Intercontinental Ballistic
             Missile) Hostility Leakage Weapon Boost Engagement

Accession #:   1236   AD #: 0
TITLE: Eastport Assessment of NTB Program

Author(s): Gardner, J.L.
Date: 10/27/86   Pages:0   Report #: 0
Corp. Author: 0

Index Terms: Eastport NTB (National Test Bed) Simulation Technology
             Configuration Evaluation Defense Integration Strategy

Accession #:   1237   AD #: 0
TITLE: The Cutting Edge of Defense Computing

Author(s): Hershey, J.E.
Date: 11/01/86   Pages:005   Report #: 0
Corp. Author: 0

Index Terms: Military Density Computation Technology Algorithm Weapon
             Missile Circuit Trajectory Limitation Development

Accession #:   1240   AD #: 0
TITLE: Software Development Structure: Technical Report Research and
         Development Status Report
Author(s): Jones, G.M.
Date: 12/15/87   Pages:006   Report #: 0
Corp. Author: TRW System Dev. Div., Huntsville Opers., 213 Wynn Dr.,
                 Huntsville, AL 35805
Index Terms: Technical Architecture Methodology Design Compute Algorithm
             Simulation Conversion Capability Response Configuration

Accession #: 1242   AD #: 0
TITLE: Quality Programming: Developing and Testing Software with Statical
        Quality Control
Author(s): Cho, Chin-Kuei
Date: 05/26/88   Pages:003   Report #: 0
Corp. Author: IBM, 6610 Rockledge Drive, Bethesda, MD 20817

Index Terms: Mission Test Development Control Error Axiomatic Module
             Methodology

Accession #: 1245   AD #: 0
TITLE: Review of SDIO-SBIR Phase II Proposal: Hierarchical, State Table
        Driven Software for Strategic Defense Battle Management
Author(s): Haynes, L.S., Dr.
Date: 12/03/87   Pages:60   Report #: 0
Corp. Author: Intelligent Automation Inc., 1715 Glastonberry Rd.,
              Rockville, MD 20854
Index Terms: Battle Management Control Research Space Feasibility SDI
             Vehicle Communication

Accession #: 1247   AD #: 0
TITLE: Portable Implementation of a Generic Exponential Function in ADA

Author(s): Tang, P.
Date: 02/01/88   Pages:31   Report #: ANL-88-3
Corp. Author: Argonne National Laboratory, 9700 S. Cass Ave., Argonne, Il
              60439
Index Terms: Math Error Analysis Reduction Radix Implementation Solution
             Generic Numeral Illustration Vax

Accession #: 1249   AD #: 0
TITLE: An Evaluation Methodology For Dependable Multiprocessors

Author(s): Trad, D.F.
Date: 03/01/88   Pages:76   Report #: RADC-TR-88-23
Corp. Author: SRI International, 333 Ravenwood Avenue, Menlo Park, CA
              94025-3493
Index Terms: Computer Evaluation Methodology Performance Fault Tolerance
             Analysis Development Algorithm Software

Accession #: 1251   AD #: 0
TITLE: BM/C3 Approach Comparison - March 1988

Author(s): 0
Date: 03/01/88   Pages:25   Report #: 0
Corp. Author: Vangaurd Research, Inc., 2810 Old Lee Hwy., Ste. 200,
              Fairfax, VA 22301-4304
Index Terms: Filter Conversion Sensor Battle Earth Signal Assessment Space
             Fire Allocation Network

Accession #: 1252   AD #: 0
TITLE: Review Draft Soviet Strategic Defense and Spare Programs

Author(s): Philliphs, D.W.
Date: 07/28/87   Pages:22   Report #: U-1064/DB
Corp. Author: Defense Intelligence Agency, Washington, D.C. 20340-6100

Index Terms: Space Defense USSR Radar ABM Treaty United States Siberia
             Technology Moscow Ballistic Missile Detection Satellite Orbit

Accession #:   1253   AD #: 0
TITLE: SRS Technical Note: How Defense Work and the Implications for
        Strategic Defense Architectures
Author(s): Cooper, J.; Pena, C.; Bue, K.
Date: 08/12/87   Pages:23   Report #: TN-MA-87-001
Corp. Author: SRS Technologies, 1500 Wilson Blvd., Suite 800, P.O. Box
              12707, Arl. VA 22209
Index Terms: Technology Target Defense Attack Midcourse Boost Architecture
             Soviet Mission Ballistic Missile Space

Accession #:   1254   AD #: 0
TITLE: Performing Behavior of Distributed Battle Managers with Divergence
        Betweeen Data Bases
Author(s): 0
Date: 08/26/87   Pages:12   Report #: 0
Corp. Author: MITRE

Index Terms: Platform Target Weapon Battle Management Algorithm Fire Global

Accession #:   1256   AD #: 0
TITLE: Why Perform A Study On Man's Role ?

Author(s): 0
Date: 06/25/87   Pages:15   Report #: 0
Corp. Author: Institute For Defense Analyses, 1801 N. Beuregard St., Alex.
              VA 22311
Index Terms: Command Development Technology Experiment Strategy Attack
             Configuration Defense Warning Research

Accession #:   1257   AD #: 0
TITLE: RADC Software Engineering For High Confidence Software

Author(s): DI Nitto, S.A., JR
Date: 0   Pages:45   Report #: 0
Corp. Author: 0

Index Terms: Technology Shuttle Tolerance Architecture Bomb Security
             Software

Accession #:   1258   AD #: 0
TITLE: Strategic Defense System Program Overview

Author(s): Graham, J.L., JR COL, USAF
Date: 02/26/88   Pages:30   Report #: 0
Corp. Author: DoD, SDIO, Washington, D.C. 20301-7100

Index Terms: SDI Acquisition Mission Threat Surveillance Sensor Technology
             Test Launch Algorithm Development Research

Accession #:   1259   AD #: 0
TITLE: U.S. Army Strategic Defense Command

Author(s): 0
Date: 03/01/86   Pages:44   Report #: 0
Corp. Author: 0

Index Terms: Analysis Engagement

Accession #: 1261   AD #: 0
TITLE: Solid-State Laser Research Report: Energy Transfer In Non-Uniform
        Codoped Crystals
Author(s): Rotman, S.R.; Hartman, F.X.
Date: 03/01/88   Pages:63   Report #: M-405
Corp. Author: Institute For Defense Analysis, 1801 N. Beauregard St.,
                Alaxandria, VA 22311
Index Terms: Energy Gradient Crystal Simulation Laser Earth Microscopic
                Radiation Ion

Accession #: 1263   AD #: 0
TITLE: Report To The Congress On The Strategic Defense Intiative: April
        1988
Author(s): 0
Date: 04/01/88   Pages:120   Report #: 0
Corp. Author: The Strategic Defense Initiative Organization, Washington,
                D.C.
Index Terms: Technology Strategy Missile Defense NTB (National Test Bed)
                Mission Control Airborne Optical Radar Allocation SDIO

Accession #: 1266   AD #: 0
TITLE: Strategic Defense Initiative Advisory Committee (SDIAC) Meeting

Author(s): 0
Date: 01/08/87   Pages:145   Report #: IDA E87-221304
Corp. Author: Institute For Defense Analyses, 1801 N. Beauregard St.,
                Alexandria, VA 22311
Index Terms: Policy Network Threat DARPA Automation Security Thrust
                Algorithm Weapon

Accession #: 1267   AD #: 0
TITLE: SDI Neutral Particle Beam Program Master Plan: Critical BM/C3 Issues
        Input
Author(s): Harmon, N.F.; Shumilla, S.W.; Ware, H.C.
Date: 03/01/88   Pages:27   Report #: WP-28702
Corp. Author: MITRE

Index Terms: SDIO Particle Beam Energy Telemetry Mission Command Control
                Boost Communication Battle Space Survivability Allocation

Accession #: 1268   AD #: 0
TITLE: Review of Fault Tolerence Effort: Final Report

Author(s): Gilley, G.
Date: 01/13/87   Pages:10   Report #: 0
Corp. Author: 0

Index Terms: Technology Security SDI Hypercube Tolerance Computation
                Performance Fault

Accession #: 1269   AD #: 0
TITLE: Strategic Defense Initiative System Description Language (SDI-SDL)
        Version 1.2
Author(s): 0
Date: 10/26/87   Pages:58   Report #: 0
Corp. Author: 0

Index Terms: Language SDI Technology Radar

Accession #: 1270   AD #: 0
TITLE: Integrated Computer-Aided Manufacturing (ICAM)

Author(s): 0
Date: 06/01/81   Pages:70   Report #: UM 110231300
Corp. Author: Softech, Inc., 460 Totten Pond Rd., Waltham, MA 02154

Index Terms: Architecture Integration Computer Analysis Methodology
             Simulation Communication

Accession #: 1272   AD #: 0
TITLE: Midcourse Sensor Study BM/C3 Constructs for Initial System Concepts

Author(s): Johnson, C; Kantak, J.; Franklin, B.; Van Horn, B.
Date: 10/19/87   Pages:36   Report #: 0
Corp. Author: 0

Index Terms: Attack Management Algorithm Command Boost Midcourse Allocation
             Constellation Sensor Cluster Satellite Policy Kill Assessment

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Accession #: 1273   AD #: 0
TITLE: Status Report on the Systems Architecture and Key Trades (SAKT)
       Study for March and April 1988
Author(s): Patterson, K.E.
Date: 05/03/88   Pages:004   Report #: 0
Corp. Author: SAIC, 1710 Goodridge Drive, P.O. Box 1303, McLean, VA 22102

Index Terms: Support Architecture Mission Midcourse Integration
             Survivability Analysis

Accession #: 1274   AD #: 0
TITLE: Hypercube Management In The Presence Of Node Failures

Author(s): Kandlur, D.D.; Shin, K.G.
Date: 01/01/88   Pages:009   Report #: 0
Corp. Author: The University of Michigan, Ann Arbor, MI 48109-2122

Index Terms: Simulation Multiprocessor Subcube Hypercube Algorithm Computer
             Node Reconfiguration Fragment

Accession #: 1275   AD #: 0
TITLE: Message Routing in an Injured Hypercube

Author(s): Chen, M.; Shin, K.G.
Date: 01/01/88   Pages:006   Report #: 0
Corp. Author: The University of Michigan, Ann Arbor, MI 48109-2122

Index Terms: Hypercube Algorithm Tolerance Failure Node Dimension Analysis

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Accession #: 1276   AD #: 0
TITLE: SDI Entry-Level Communications Architecture And Technology

Author(s): 0
Date: 0   Pages:30   Report #: 0
Corp. Author: McDonnell Douglas

Index Terms: Architecture Communication Traffic Path Detection Sensor Error
             Fire Wavelength Telescope Beam Technology

Accession #:   1277   AD #: 0
TITLE: Briefing To DART: 31 March 1988

Author(s): Brown, B. LTC
Date: 03/31/88   Pages:30   Report #: 0
Corp. Author: 0

Index Terms: Launch Survivability BM/C3 Prototype Star Test Evaluation
             Strategy Air Force Congress

Accession #:   1278   AD #: 0
TITLE: The Expanding Universe of John Pike

Author(s): Rumsey, A.E.
Date: 04/01/88   Pages:11   Report #: 0
Corp. Author: States News Service, Washington, D.C.

Index Terms: Security Media SDI Deployment Defense Research Population
             Weapon

Accession #:   1279   AD #: 0
TITLE: Phase One Strategic Defense System

Author(s): 0
Date: 01/13/88   Pages:10   Report #: 0
Corp. Author: 0

Index Terms: Air Force Missile Space Navy

Accession #:   1282   AD #: 0
TITLE: Point Paper On New Iterative For Solving Linear Least Squares
         Problems
Author(s): 0
Date: 12/01/87   Pages:15   Report #: 0
Corp. Author: Engineering Software Research, Inc., P.O. Box 4653, Mountain
             View, CA 94040
Index Terms: Linear Square Solution Demonstration Equation Dimension Array
             Matrix

Accession #:   1283   AD #: 0
TITLE: Point Paper On BMD Phase I Concept Of Operations

Author(s): 0
Date: 11/12/87   Pages:008   Report #: 0
Corp. Author: 0

Index Terms: Ballistic Missile Defense (BMD) Development Deployment Scope
             Integration Evaluation Space Support Transition

Accession #:   1285   AD #: 0
TITLE: Ballistic Missile Defense: 1944-1983

Author(s): Baucom, D.R. LT COL, USAF
Date: 02/01/88   Pages:003   Report #: 0
Corp. Author: SDIO

Index Terms: Enemy Attack Missile Air Force Deployment President Nixon
             Safegaurd ICBM Radar Computer Target

Accession #: 1286   AD #: 0
TITLE: Sofaer-Nunn "Debate"

Author(s): Carroll, W.H.
Date: 12/15/87   Pages:11   Report #: 0
Corp. Author: The United States Congress, Washington, D.C.

Index Terms: Congress Technology Treaty Soviet Union Threat Test Evaluation
             Interceptor Missile Radar Development Negotiation Defense

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Accession #: 1287   AD #: 0
TITLE: SDI BM/C3 Software Development Guidlines (SDG)

Author(s): 0
Date: 0   Pages:16   Report #: 0
Corp. Author: 0

Index Terms: Support Integration Balance Innovation Concept Production SDI
             BM/C3 Communication Phase Evaluation Rationale

Accession #: 1289   AD #: 0
TITLE: Survivable Satellite Crosslinks Lasercom And 60-GHz RF

Author(s): 0
Date: 09/23/86   Pages:009   Report #: 0
Corp. Author: Naval Research Laboratory

Index Terms: Technology Survival Laser Crosslink Diode Device Configuration
             Test Nuclear Space

Accession #: 1291   AD #: 0
TITLE: USASDC'S BM/C3 Experimental Version (EV) Program

Author(s): Tubbs, L.A.
Date: 0   Pages:18   Report #: 0
Corp. Author: USA Strategic Defense Command

Index Terms: Capability Research BM/C3 Evaluation Threat Simulation
             Algorithm Communication Sopport Testbed Engagement

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Accession #: 1293   AD #: 0
TITLE: Interm Report of the SDIO Panel on the Security and Integrity of SDI
       Assets
Author(s): 0
Date: 01/01/88   Pages:45   Report #: 0
Corp. Author: The Pymatuning Group, Inc., 2000 N. 15th St., Arlington, VA
             22201
Index Terms: Security Development NTB (National Test Bed) Algorithm Battle
             Management Concealment Countermeasure Methodology Space

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Accession #: 1294   AD #: 0
TITLE: Space Based Experimental Version (SBEV) Three Month Demonstration (
       17-19 Feb 88) - Documentation
Author(s): Oldenburg, T.J. Lt Col, USAF
Date: 05/04/88   Pages:110   Report #: 0
Corp. Author: SPARTA, Inc., 7926 Jones Branch Drive, Suite 1070, McLean, VA
             22102
Index Terms: BM/C3 Design Demonstration Evaluation Resolution Baseline
             Boost Phase Detection Launch Assessment Simulation

Accession #:   1296   AD #: 0
TITLE: Strategic Defense Initiative Organization: Innovative Science and
        Technology Office
Author(s): 0
Date: 0   Pages:40   Report #: 0
Corp. Author: SDIO/ISTO, Washington, D.C. 20301-7100

Index Terms: Technology Science Mission SDI Research Feasibility Kinetic
        Energy Wavelength Control Nuclear Space Propulsion Sensor

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Accession #:   1297   AD #: 0
TITLE: Laser Communications

Author(s): 0
Date: 0   Pages:005   Report #: 0
Corp. Author: McDonnell Douglas Astronautics Co., Def. Elec., St. Louis, MO
        63166
Index Terms: Threat Communication Laser Wavelength Command Intelligence
        Space Satellite Security Aircraft Kilobit Submarine Defense

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Accession #:   1298   AD #: 0
TITLE: Source Region Electromagnetic Effects Phenomena: Volume V - Analytic
        Solutions for SREMP Environments
Author(s): Van Alstine, P.W.; Schlessinger, L.
Date: 04/25/86   Pages:52   Report #: PSR-1588
Corp. Author: Pacific-Sierra Research Corp., 12340 Santa Monica Blvd., Los
        Angeles, CA 90025
Index Terms: Phenomenology Conversion Reduction Equation Solution Space

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Accession #:   1299   AD #: 0
TITLE: Strategic Defense Initiative Organization Management And Control
        Issues
Author(s): 0
Date: 03/29/88   Pages:18   Report #: 0
Corp. Author: United States General Accounting Office

Index Terms: SDIO DoD Research Analysis Development Control Management

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Accession #:   1300   AD #: 0
TITLE: Funds Expenditure Reports, Contract Funds Status, and R & D Status
        Reports for April 1988
Author(s): Agrawala, A.K.
Date: 05/23/88   Pages:26   Report #: 0
Corp. Author: The University Of Maryland, College Park, Maryland 20742

Index Terms: Analysis Fault Evaluation Test Node Allocation Communication
        Tolerance Architecture

Accession #:   1301   AD #: 0
TITLE: Video Treminal - VT320: Illustrated Parts Breakdown

Author(s): 0
Date: 0   Pages:12   Report #: 0
Corp. Author: Digital Equipment Corporation, 12 Crosby Dr. BUO/E08,
        Bedford, MA 01730-1493
Index Terms: Terminal Code Publication Assembly Monitor Protection
        Equipment

Accession #:   1302   AD #: 0
TITLE: WY-50 Display Terminal: Reference Manual

Author(s): 0
Date: 0   Pages:45   Report #: 0
Corp. Author: WYSE Technology, 3571 N. First St., San Jose, CA 95135-9990

Index Terms: Cable Voltage Safety Application Exposure Radio Interference
             Ray Tube Keyboard Configuration Communication Default Modem

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Accession #:   1303   AD #: 0
TITLE: EMBOS User's Guide To Ethernet

Author(s): 0
Date: 04/01/86   Pages:31   Report #: 9860
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 942-0900

Index Terms: Fusion Operation Congiguration Application Control Error
             Database Network Research Communication

Accession #:   1304   AD #: 0
TITLE: ELXSI: System 6400 Introduction

Author(s): 0
Date: 01/01/84   Pages:67   Report #: 0
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Central Processing Unit (CPU) Protection Terminology ASCII
             Detection COBOL Language Allocation Communication

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Accession #:   1305   AD #: 0
TITLE: Video Products: CIT224 User's Manual

Author(s): 0
Date: 11/01/85   Pages:70   Report #: P.N. 093-056
Corp. Author: CIE Terminals

Index Terms: Terminal Radio Communication Cable Loop Protocol Installation
             Menu Terminology Transmission Configuration

Accession #:   1307   AD #: 0
TITLE: Field Maintenance Print Set: VT320

Author(s): Harvey, B.
Date: 01/01/87   Pages:20   Report #: K-TC-VT-320-0-0
Corp. Author: Digital Equipment Corporation

Index Terms: Power Shematic Supply Module Unit Assembly

Accession #:   1308   AD #: 0
TITLE: Embos User's Guide, Volume 1 - Version 2.00

Author(s): 0
Date: 12/01/83   Pages:75   Report #: 0
Corp. Author: ELXSI 2334 Lundy Place, San Jose, CA. 95131

Index Terms: Terminal Computer Parameter Command Structure Input Output
             Error Implementation Security

Accession #:   1309   AD #: 0
TITLE: Embos User's Guide, Volume II - Version 2.00

Author(s): 0
Date: 12/01/83   Pages:75   Report #: 0
Corp. Author: ELXSI 2334 Lundy Place, San Jose, CA. 95131

Index Terms: Abort Suspend Break Cancel Job Print Terminate Copy

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Accession #:   1310   AD #: 0
TITLE: System Administrator's Guide, Volume I - Version 1.00

Author(s): 0
Date: 03/01/83   Pages:75   Report #: 0
Corp. Author: ELXSI 2334 Lundy Place, San Jose, CA. 95131

Index Terms: System Power Command Magnetic Tape Terminal Security Disk

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Accession #:   1311   AD #: 0
TITLE: System Administrator's Guide, Volume II - Version 1.02

Author(s): 0
Date: 02/01/84   Pages:45   Report #: 0
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Parameter Command Operator Configuration Tape User Translation
             Security Spooling Terminal

Accession #:   1312   AD #: 0
TITLE: System Architecture: Second Edition

Author(s): 0
Date: 10/01/83   Pages:100   Report #: 0
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Function Link Target Transit Buffer Transport Error Memory
             Architecture Data Arithmetic Language

Accession #:   1313   AD #: 0
TITLE: Display Terminal Maintenance Manual (WY-50/WY-50+)

Author(s): 0
Date: 01/01/86   Pages:80   Report #: 880020-01 Rev. B
Corp. Author: Wyse Technology, 3571 N. First St., San Jose, CA 95134

Index Terms: Troubleshoot Theory Operation Memory Telecommunication Fuse
             Microprocessor Terminal Magnet Oscillator Map Schematic

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Accession #:   1314   AD #: 0
TITLE: Diagnostics Manual: ELXSI System 6400 - Version 1.1

Author(s): 0
Date: 07/01/86   Pages:85   Report #: 0
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Central Processing Unit (CPU) Input Output Disk Test Memory
             Interface Terminal Notation Directory Command Configuration

Accession #: 1315   AD #: 0
TITLE: Site Preparation Guide - Version 2.00

Author(s): 0
Date: 02/01/85   Pages:30   Report #: 0
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Layout Data Information Connector Worksheet Design Safety Fire
             Electric Tape Power Mainframe Conversion Heat Assembly

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Accession #: 1316   AD #: 0
TITLE: Maintenance Manual - Version 1.00

Author(s): 0
Date: 02/01/86   Pages:111   Report #: 0
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Control Card Power Terminal Array Memory Interface Supply Disk
             Modem Connection Assembly Sensor Filter Voltage

Accession #: 1317   AD #: 0
TITLE: IRIS USER'S GUIDE VOL I: PROGRAMMING GUIDE: Version 4.0

Author(s): 0
Date: 01/01/87   Pages:250   Report #: 007-1101-040
Corp. Author: Silicon Graphics, Inc., 2011 Stierlin Rd., Mountain View, CA
              94039-7311
Index Terms: Programming Graphic Transformation Input Output Style Pattern
             Font Window Code Geometry Cubic Pipeline Curve Mathematics

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Accession #: 1318   AD #: 0
TITLE: IRIS USER'S GUIDE VOL II: Graphics Reference

Author(s): 0
Date: 01/01/87   Pages:250   Report #: 007-1101-040
Corp. Author: Silicon Graphics, Inc. Mountain View, CA.

Index Terms: Reference Programming Graphic Transformation Input Output
             Style Pattern Font Window Code Computation

Accession #: 1319   AD #: 0
TITLE: Unix Programmer's Manual Vol-IA: Commands (A-L; M-Z)

Author(s): 0
Date: 12/01/87   Pages:250   Report #: 007-0101-030
Corp. Author: Silicon Graphics, Inc., 2011 Stierlin Rd., Mountain View, CA
              94043
Index Terms: Reference Programming Graphic Application Workstation File
             Field Database Command Communication Language Pascal Fortran

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Accession #: 1320   AD #: 0
TITLE: IRIS Unix Programmer's Manual Vol-IB: System Calls and Subroutines -
       Version 3.0
Author(s): 0
Date: 12/01/87   Pages:250   Report #: 007-0102-030
Corp. Author: Silicon Graphics, Inc., 2011 Stierlin Rd., Mountain View, CA
              94043
Index Terms: Reference Programming Graphic Application Workstation File
             Field Database Command

Accession #:   1321   AD #: 0
TITLE: IRIS Series 3000 Owner's Guide

Author(s): 0
Date: 01/01/87   Pages:250   Report #: 007-5220-030
Corp. Author: Silicon Graphics, Inc., 2011 Stierlin Rd., Mountain View, CA
              94043
Index Terms: Hardware Workstation Terminal System Installation File
             Component Software Program

Accession #:   1322   AD #: 0
TITLE: IRIS Unix Programmer's Manual Vol-IIA, Language and Tools: Version
       1.0
Author(s): 0
Date: 01/01/86   Pages:250   Report #: 007-0103-010
Corp. Author: Silicon Graphics, Inc., 2011 Stierlin Rd., Mountain View, CA
              94043
Index Terms: Document Program System Terminal User Text Command Path
             Interrogate File Manual Language Information Password

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Accession #:   1323   AD #: 0
TITLE: Unix Programmer's Manual: IIB Languages and Tools

Author(s): 0
Date: 01/01/86   Pages:250   Report #: 007-0104-020
Corp. Author: Silicon Graphics, Inc. Mountain View, CA.

Index Terms: Input Output Format System Software Utility Programming File
             Hardware Compiler Processing

Accession #:   1324   .   AD #: 0
TITLE: IRIS Communications Guide Update Package: Version 1.1

Author(s): 0
Date: 01/01/86   Pages:250   Report #: 007-0390-011
Corp. Author: Silicon Graphics, Inc., 2011 Stierlin Rd., Mountain View, CA
              94043
Index Terms: Communication Graphic Protocol Programmer Mail System Software
             User Terminal Workstation File Directory

Accession #:   1325   AD #: 0
TITLE: Getting Started with Your IRIS Workstation

Author(s): 0
Date: 01/01/86   Pages:250   Report #: 007-7001-010
Corp. Author: Silicon Graphics, Inc. 2011 Stierlin Rd., Mountain View, CA
              94043
Index Terms: Geometry Graphic Command Program Directory System Terminal
             Workstation File Lesson FORTRAN

Accession #:   1326   AD #: 0
TITLE: IRIS Programming Tutorial

Author(s): 0
Date: 01/01/86   Pages:150   Report #: 007-1103-010
Corp. Author: Silicon Graphics, Inc. Mountain View, CA.

Index Terms: Graphic Library Command Programming System Directory
             Workstation Mode Window

Accession #:   1367   AD #: 0
TITLE: VT320 Pocket Service Guide

Author(s): 0
Date: 07/01/87   Pages:55   Report #: EK-VT320-PS-001
Corp. Author: Digital Equipment Corp., Maynard, MA. 01754

Index Terms: Video Terminal Loopback Test Assembly Screen Test Adjustment
             Horizontal Vertical

Accession #:   1368   AD #: 0
TITLE: Installing and Using the VT320 Video Terminal

Author(s): 0
Date: 06/01/87   Pages:100   Report #: EK-VT320-UG-001
Corp. Author: Digital Equipment Corp., Maynard, MA. 01754

Index Terms: Video Terminal Screen Format Directory Printer Signal
             Connector Keypad Numeric

Accession #:   1369   AD #: 0
TITLE: VT320 Programmer Reference Manual

Author(s): 0
Date: 07/01/87   Pages:260   Report #: EK-VT320-RM-001
Corp. Author: Digital Equipment Corp., Maynard, MA. 01754

Index Terms: Video Terminal Character Encoding Graphic Format Screen
             Parameter Control

Accession #:   1370   AD #: 0
TITLE: Maintenance Manual For Video Terminal Model CIT224 (F)

Author(s): 0
Date: 09/01/87   Pages:150   Report #: P.N. 093-073
Corp. Author: C.Itoh Electronics

Index Terms: Video Terminal Monitor Memory Program Keyboard Vertical
             Horizontal Circuit Diagram

Accession #:   1371   AD #: 0
TITLE: The SRBS Operations Manual

Author(s): Mr. Craig Hayes
Date: 04/25/88   Pages:35   Report #: F19628-88-C-0012
Corp. Author: Martin Marietta Corp. P. O. Box 1260, Denver, CO. 80201-1260

Index Terms: Operation Document Surveillance CSCI Weapon Communication
             Assumption Limitation

Accession #:   1372   AD #: 0
TITLE: The SRBS User's Manual

Author(s): Mr. Craig Hayes
Date: 04/25/88   Pages:20   Report #: F19628-88-C-0012
Corp. Author: Martin Marietta Corp. P. O. Box 1260, Denver, CO. 80201-1260

Index Terms: User Document Overview Terminal File Input Output Workstation
             Graphic Instruction

Accession #: 1373   AD #: 0
TITLE: Developing Software To Use Parallel Processing Effectively

Author(s): Center, J.
Date: 10/01/88   Pages:184   Report #: RADC-TR-88-203
Corp. Author: Dynamics Research Corp., 60 Frontage Rd., Andiver, MA 01810

Index Terms: Evaluation Hypercube Polylith Architecture Asymptotic Circuit
             Communication Cluster

Accession #: 1374   AD #: 0
TITLE: The SWARM User's Manual

Author(s): Mr. Steven Woodcock
Date: 05/01/88   Pages:175   Report #: F19628-88-C-0012
Corp. Author: Martin Marietta Corp. P. O. Box 1260, Denver, CO. 80201-1260

Index Terms: Swarm Toolset Overview Operational Technical Manual System
             Terminal Queue

Accession #: 1375   AD #: 0
TITLE: SPSS Statistical Algorithms

Author(s): 0
Date: 01/01/85   Pages:230   Report #: CN83-60118
Corp. Author: SPSS Inc. 444 N. Michigan Ave., Chicago, IL. 60611

Index Terms: ALSCAL ANOVA Cluster Factor Frequency Condescriptive Breakdown
             Hiloglinear Loglinear

Accession #: 1376   AD #: 0
TITLE: SDI Technology Survivability and Software

Author(s): 0
Date: 05/01/88   Pages:300   Report #: OTA-ISC-353
Corp. Author: U. S. Congress Office of Technology Assessment, Washington,
             D.C.
Index Terms: Software Ballistic Missile System Technology Integration
             Countermeasure Defensive Suppression Sensor

Accession #: 1377   AD #: 0
TITLE: Frame Maker User's Manual

Author(s): 0
Date: 11/01/87   Pages:190   Report #: P/N 41-00122-02
Corp. Author: Frame Tech. Corp. 2911 Zanker Rd., San Jose, CA. 95134

Index Terms: Manual Frame Maker File Create Document Dialog Box
             Installation Window Text

Accession #: 1379   AD #: 0
TITLE: Artificial Intelligence and SDI Battle-Management/C3

Author(s): Garvey, T. D.
Date: 07/23/86   Pages:23   Report #: 0
Corp. Author: SRI International, 333 Ravenswood Ave., Menlo Park,
             California 94025
Index Terms: SDI Technology Architecture Development Sensor Weapon Battle
             Management Simulation Research Topology Kill Decoy Attack

Accession #: 1380   AD #: 0
TITLE: Background On Space Nuclear Power

Author(s): Aftergood, S.
Date: 05/01/88   Pages:15   Report #: 0
Corp. Author: Comm. to Bridge the Gap, 1637 Butler Avenue, Suite 203, Los
              Angeles, CA 90025
Index Terms: Space Nuclear U.S.S.R. Launch Configuration Radiation Power
             Reactor Neutron Weapon SDI Heat Isotope Directed Energy Weapon

Accession #: 1381   AD #: 0
TITLE: U.S.- Soviet Proposal to Ban Nuclear Power in Orbit

Author(s): 0
Date: 0   Pages:002   Report #: 0
Corp. Author: Fed. Of American Scientists, 307 Mass. Ave., N.E.,
              Washington, D.C. 20002
Index Terms: Satellite Surveillance Reactor Nuclear Energy Space Orbit
             Radiation Neutron Detection

Accession #: 1382   AD #: 0
TITLE: FAS Statement On The Joint Proposal Of The Committee Of Soviet
       Scientists And FAS For A Ban On Nuclear Power In Earth Orbit
Author(s): 0
Date: 0   Pages:002   Report #: 0
Corp. Author: Fed. Of American Scientists, 307 Mass. Ave., N.E.,
              Washington, D.C. 20002
Index Terms: Reentry Deployment Kilometer Failure SDI Weapon Reactor
             Satellite Risk Radioactivity Discrimination Militarization

Accession #: 1383   AD #: 0
TITLE: IRIS FORTRAN Manual - Version 1.0

Author(s): Barth, J.; Glanville, S.; McGilton, H.
Date: 01/01/86   Pages:80   Report #: 007-0210-010
Corp. Author: Silicon Graphics, Inc., 2011 Stierlin Rd., Mountain View, CA
              94043
Index Terms: Flow Format Error Computation Data Structure Logic Array
             Arithimetic Terminology

Accession #: 1384   AD #: 0
TITLE: IRIS User's Guide: Volume II - Reference Guide: Version 4.0

Author(s): 0
Date: 01/01/87   Pages:110   Report #: 007-1101-040
Corp. Author: Silicon Graphics Inc., 2011 Stierlin Rd., Mountain View, CA
              94039-7311
Index Terms: Rectangle Arc Transformation Projection World Polygon Curve
             Window Buffer Translation Rotation Image

Accession #: 1385   AD #: 0
TITLE: IRIS Programming Tutorial - Version 1.0

Author(s): 0
Date: 01/01/86   Pages:139   Report #: 007-1103-010
Corp. Author: Silicon Graphics Inc., 2011 Stierlin Rd., Mountain View, CA
              94043
Index Terms: Polygon Library Arc Map Matric Graphic Transformation
             Communication

Accession #: 1386   AD #: 0
TITLE: Getting Started with dbx for FORTRAN

Author(s): Smith, Amy B.W.; Szente, C.
Date: 01/01/86   Pages:16   Report #: 007-0402-010
Corp. Author: Silicon Graphics, Inc., 2011 Stierlin Rd., Mountain View, CA
              94043
Index Terms: Debug Error File Symbol Memory

Accession #: 1387   AD #: 0
TITLE: Getting Started with dbx for C

Author(s): Smith, Amy B.W.; Szcente, C.
Date: 01/01/86   Pages:18   Report #: 007-0401-010
Corp. Author: Silicon Graphics, Inc., 2011 Stierlin Rd., Mountaun View, CA
              94043
Index Terms: Error Program Directory Code Command Function Fault

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Accession #: 1388   AD #: 0
TITLE: ELXSI: The System Foundation Guide

Author(s): Lowe, S.
Date: 10/01/87   Pages:255   Report #: EPN: 08856
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Message Architecture Application Concept Central Processing
             Unit (CPU) Design Foundation Configuration Error Management

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Accession #: 1389   AD #: 0
TITLE: ELXSI C User's Guide: Version 1.00

Author(s): 0
Date: 11/01/84   Pages:55   Report #: 9741
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Compiler Language Default Allocation Conversion Logic

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Accession #: 1390   AD #: 0
TITLE: ELXSI FORTRAN Reference Manual

Author(s): 0
Date: 04/01/86   Pages:230   Report #: 9701
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Element Development Compiler Logic Arithmetic Sequence Control
             Input Conjunction Equivalence

Accession #: 1391   AD #: 0
TITLE: Programmer's Reference Manual, Volume I

Author(s): 0
Date: 03/01/83   Pages:60   Report #: 9540
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Philosophy Tool Development File Concept Format Equation
             Allocation Function Architecture Transformation Error

Accession #:   1392   AD #: 0
TITLE: Programmer's Reference Manual, Volume II

Author(s): 0
Date: 09/01/83   Pages:535   Report #: 9541
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Error Command List Element Parameter Conversion Implementation
             File

Accession #:   1393   AD #: 0
TITLE: EDMS - Equel/C User's Guide: Version I

Author(s): 0
Date: 06/01/85   Pages:50   Report #: 9582
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Destroy Define Database Language Application Conversion
             Default Command Manipulation Development

Accession #:   1394   AD #: 0
TITLE: ELXSI Pascal User's Guide

Author(s): 0
Date: 09/01/84   Pages:65   Report #: 9711
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Programmer Data Structure Compiler Hexidecimal Language Input
             Output Procedure Error File Directive Allocation

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Accession #:   1395   AD #: 0
TITLE: EMACS User's Guide

Author(s): 0
Date: 10/01/83   Pages:60   Report #: 9520
Corp. Author: ELXSI, 2334 Lundy Place, San Jose, CA 95131

Index Terms: Window Buffer Command Capability Logic Default Function
             Simulation Manipulation

Accession #:   1396   AD #: 0
TITLE: Allocated Functional Requirments

Author(s): Hall, R.; Cosby, M.
Date: 03/31/88   Pages:211   Report #: DESD-TR-CDRL-B004F
Corp. Author: SAIC, 1710 Goodridge Dr., McLean, VA 22102

Index Terms: Analysis Deployment Architecture Integration Assimilation
             Management Configuration Design Baseline

Accession #:   1397   AD #: 0
TITLE: Candidate BM/C3 Substem

Author(s): Hall, R.; Cosby, M.
Date: 03/31/88   Pages:33   Report #: DESD-TR-CDRL-B010F
Corp. Author: SAIC, 1710 Goodridge Dr., McLean, VA 22102

Index Terms: 0

Accession #: 1398   AD #: 0
TITLE: BM/C3 Architecture Element Functional Description

Author(s): Hall, R.; Cosby, M.
Date: 03/31/88   Pages:293   Report #: DES-TR-CDRL-B007F
Corp. Author: SAIC, 1710 Goodridge Dr., McLean, VA 22102

Index Terms: Control Data BM/C3 BM/C2 Architecture Sensor Weapon Allocation
             Concept Deployment Integration Mission Configuration

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Accession #: 1399   AD #: 0
TITLE: Tool Experiences And Lessons Learned: Volume II

Author(s): Walent, J.; Neville, T.; Cosby, M.
Date: 03/31/88   Pages:433   Report #: DESD-TR-CDRL-B016F
Corp. Author: SAIC, 1710 Goodridge Dr., McLean, VA 22102

Index Terms: Tool Analysis Model Deployment Baseline Support Management
             Methodology Design Configuration

Accession #: 1400   AD #: 0
TITLE: Measures Of Effectiveness/Measures Of Performance

Author(s): VanTassell, W.; Cosby, M.
Date: 03/31/88   Pages:138   Report #: DESD-TR-CDRL-B005F
Corp. Author: SAIC, 1700 Goodridge Dr., McLean, VA 22102

Index Terms: SDS (Strategic Defense System) Architecture Integration
             Analysis Mission Asslimation Methodology Evaluation Deployment

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Accession #: 1401   AD #: 0
TITLE: Tool and Model Requirments: Volume I

Author(s): Walent, J.; Neville, T.; Cosby, M.
Date: 03/31/88   Pages:210   Report #: DESD-TR-CDRL-B016F
Corp. Author: SAIC, 1700 Goodridge Dr., McLean, VA 22102

Index Terms: Architecture Methodology Assimilation Configuration Structure
             Evaluation NTB (National Test Bed) Logic

Accession #: 1402   AD #: 0
TITLE: BM/C3 Architecture Element Functional Description

Author(s): Hall, R.; Cosby, M.
Date: 03/31/88   Pages:293   Report #: DESD-TR-CDRL-B007F
Corp. Author: SAIC, 1710 Goodridge Drive, McLean, VA 22102

Index Terms: BM/C3 Allocation Concept Weapon Sensor Communication Data
             Architecture

Accession #: 1403   AD #: 0
TITLE: Communications Analysis Results

Author(s): Cosby, M.R.; Cooke, D.
Date: 06/29/88   Pages:135   Report #: DESD-TR-CDRL-B017F
Corp. Author: SAIC, 1710 Goodridge Dr., McLean, VA 22102

Index Terms: Communication Architecture Transmit Logic Parameter Simulation
             Configuration Allocation Degradation

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Accession #:   1404              AD #:  0
TITLE: Security Analysis

Author(s): Hall, R.; Cosby, M.
Date: 03/31/88        Pages:33        Report #: DESD-TR-CDRL-B023F
Corp. Author: SAIC, 1710 Goodridge Dr., McLean, VA 22102

Index Terms:  Baseline Concept SDIO Deployment Mission Analysis
              Configuration
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Accession #:   1405              AD #:  0
TITLE: SDI System Requirements And Rationale

Author(s): Hall, R.; Cosby, M.
Date: 03/31/88        Pages:293       Report #: DESD-TR-CDRL-B003F
Corp. Author: SAIC, 1710 Goodridge Dr., McLean, VA 22102

Index Terms:  Integration Methodology Threat Analysis Assimilation Sensor
              Weapon Mission Target Countermeasure
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Accession #:   1406              AD #:  0
TITLE: BM/C2 Analysis Results

Author(s): Walent, J.; Cosby, M.
Date: 03/31/88        Pages:368       Report #: DESD-TR-CDRL-B018F
Corp. Author: SAIC, 1710 Goodridge Dr., McLean, VA 22102

Index Terms:  Midcourse Kill Assessment Mission Architecture Defense Battle
              Weapon Target Transitor Space Catastrophic
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Accession #:   1407              AD #:  0
TITLE: What price space-based interceptors?

Author(s): Spergel D.N.; Field, G.B.
Date: 06/01/88        Pages:003       Report #: 0
Corp. Author: MacMillian Magazines Ltd., Four Little Essex St., London
              WC2R3LF
Index Terms:  Deployment ICBM ERIS FBB Launch Countermeasure Weapon Kinetic
              Kill Vehicle Density Survivability Soviet Union Nuclear Attack
```

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Accession #:   1409              AD #:  ADA191311
TITLE: Value of Energy Storage in Pulsed Space Power Systems

Author(s): Olszewski, M.; Morris, D.G.
Date: 01/01/88        Pages:70        Report #: ORNL/TM-10530
Corp. Author: Oak Ridge Natl. Lab., Oakridge, TN 37831

Index Terms:  Antimissile Defense Space Radiation Conversion Power Heat
              Cycle Electricity Flywheel
```

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Accession #:   1411              AD #:  0
TITLE: High Response Reaction Control Systems For Small Maneuvering
       Missiles
Author(s): 0
Date: 06/01/84        Pages:40        Report #: 0
Corp. Author: Aerojet Techsystems Co., P.O. Box 13222, Sacremento, CA 95813

Index Terms:  SDI Control Missile Midcourse Air Force Army Defense DEW USSR
              ICBM Thrust Technology Kill Pressurization Propellant Tank
```

Accession #: 1412   AD #: 0
TITLE: Space and Security News: Reagan In Moscow

Author(s): 0
Date: 06/01/88   Pages:40   Report #: 0
Corp. Author: Inst. For Space and Security Studies, 7833 C St., Chesapeake
              Beach, MD 20732
Index Terms: Superiority Peace Space Policy Empire Summit Nuclear
             Disarmament SDI Grenada Turkey Europe ABM Treaty Attack AF

Accession #: 1413   AD #: 0
TITLE: Space Station Erectable Truss Joint Evaluation

Author(s): Peebles, J.H.; Kempster, K.B.
Date: 04/01/88   Pages:008   Report #: MDC-H2660
Corp. Author: McDonnell Douglas, Huntington Beach, CA

Index Terms: Evaluation Truss Design Compression Space NASA Node Tension
             Data Base Cluster Axial Application

Accession #: 1414   AD #: 0
TITLE: Understanding Protocols for Byzantine Clock Synchronization

Author(s): Schneider, F.B.
Date: 08/01/87   Pages:36   Report #: 87-859
Corp. Author: Dept. of Computer Science, Cornell University, Ithaca, New
              York 14853-7501
Index Terms: Fault Tolerance Clock Communication Algorithm Implementation
             Calculation Error Convergence Processor

Accession #: 1415   AD #: 0
TITLE: The State Machine Appraoch: A Tutorial

Author(s): Schneider, F.B.
Date: 12/01/86   Pages:30   Report #: 86-800
Corp. Author: Dept. of Computer Science, Cornell University, Ithaca, New
              York 14853-7501
Index Terms: Reconfiguration Computer Automation Atomic Terminal
             Triple-modular redundancy (TMR) Implementation

Accession #: 1416   AD #: 0
TITLE: Final Report On The Application Study Of The Maganetic Control
       System MCS-10 For The MSS Project
Author(s): 0
Date: 04/18/88   Pages:60   Report #: 93502
Corp. Author: ITHACO, Inc., 735 W. Clinton St., P.O. Box 6437, Ithaca, N.Y.
              14851-6437
Index Terms: Control Electronic Algorithm Magnetometer Analysis Simulation
             Aerodynamic Equation Satellite Filter Space Gravity Allocation

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Accession #: 1417   AD #: 0
TITLE: Computer Program for Calculation of Complex Chemical Equilibrium
       Compositions and Applications Supplement I - Transport Properties
Author(s): McBride, B.J.; Zelenznik, F.J.; Gordon, S.
Date: 10/01/84   Pages:26   Report #: N85-16663
Corp. Author: NASA, Lewis Research Center, Cleveland, Ohio 44135

Index Terms: Transportation Calculation Computer Viscosity NASA Chemical
             Thermodynamic Conductivity Equation Molecule Parameter

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Accession #:  1418                    AD #: 0
TITLE: SDI Technology Acomplishments: SDIO Special Report


Author(s): 0
Date: 0              Pages:20        Report #: 0
Corp. Author: Philliphs Publishing, Inc., 7811 Montrose Rd., Potomac, MD
             20854
Index Terms: KEW Concept Congress Technology Airborne Exoatmospheric
             Reentry Surveillance Radar Integration Development


Accession #:  1419                    AD #: 0
TITLE: Delta 181 Data Retreval Phase Quicklook Report (Launch + 15 Days)


Author(s): 0
Date: 02/23/88      Pages:55        Report #: 0
Corp. Author: The Johns Hopkins University Applied Physics Laboratory

Index Terms: Management Resource Vehicle Assessment Spacecraft Data
             Telementry Command Flight Configuration Sensor Battery Mission


Accession #:  1420                    AD #: 0
TITLE: Vibration-to-Electronic Energy Transfer Laser


Author(s): Rich, J.W.; Bergman, R.C.; DeLeon, R.L.; Williams, M.J.
Date: 01/01/86      Pages:45        Report #: 7261-1
Corp. Author: Arvin/Caspin Advanced Technology Center, P.O. Box 400,
             Buffalo, NY 14225
Index Terms: Collision Energy Wavelength Formation Population Inversion
             Oscillation Laser Density Molecule Transition Vibration


Accession #:  1421                    AD #: 0.
TITLE: How to do Business with the Strategic Defense Initiative


Author(s): Moss, S.
Date: 04/01/88      Pages:32        Report #: 0
Corp. Author: SDIO, Office Of Small and Disadvantaged Business Utilization

Index Terms: SDI Procurement Technology Investigation SATKA ICBM Pentagon
             Research Development BSTS Kinetic Energy Sensor AOS Nuclear


Accession #:  1422                    AD #: 0
TITLE: Interferometric Encoder Techniques - Final Report


Author(s): Tansey, R.J.; Hirs, J.; Widen, K., et al
Date: 01/08/88      Pages:52        Report #: DOE/SF/16499--T3
Corp. Author: Rockwell Inter'ntl Corp., Rocketdyne Div., 6633 Canoga Ave.,
             Canoga, CA 91303
Index Terms: Analysis Encoder Beam Control Angular Development Rotary SDI
             Heterodyne Submicron Detection Test Wave Frequency


Accession #:  1423                    AD #: 0
TITLE: Automated Data Processor and Network Achcitecture Design Tool
        Enhancement Analysis
Author(s): Hooper, J.W.; Shiva. S.G.; Asdjodi, M.; Campbell, J.M.
Date: 06/01/88      Pages:125       Report #: STL-31958
Corp. Author: Univ. of Alabama, Computer Science Department, Huntsville, Al
             35899
Index Terms: Integration Language Software Methodology Evaluation
             Feasibility Analysis Simulation Communication
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Accession #: 1424   AD #: 0
TITLE: Comparative Analysis of Geographic Information Systems, Phase II
        Report
Author(s): Stults, A.H.; Mullen, M.W.
Date: 08/09/85   Pages:81   Report #: EER-B02
Corp. Author: Eng. & Economic Research Inc., 3322 S. Memorial Pwky.,
                Huntsville, AL 35801-5335
Index Terms: BMD Analysis Application Management Geology Development
            Acquisition Database TVA Algorithm Space Simulation

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Accession #: 1429   AD #: 0
TITLE: Management of the Strategic Defense Initiative

Author(s): 0
Date: 04/24/84   Pages:004   Report #: 0
Corp. Author: Department of Defense, Washington, D.C.

Index Terms: SDIO DoD Technology Ally Ballistic Missile Policy Security
            Destruction Deployment Analysis Communication Congress

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Accession #: 1430   AD #: 0
TITLE: DoD Directive: Strategic Defense Initiative Organization

Author(s): Taft, W.H. IV
Date: 02/21/86   Pages:008   Report #: 5141.5
Corp. Author: Department of Defense, Washington, D.C.

Index Terms: Security SDIO Logistic Acquisition Threat Feasibility Research
            Analysis DARPA Military ABM Treaty Communication

Accession #: 1431   AD #: 0
TITLE: DoD Dierctive: Strategic Defense Initiative Organization

Author(s): Taft, W.H. IV
Date: 06/04/87   Pages:008   Report #: 5141.5
Corp. Author: Department of Defense, Washington, D.C.

Index Terms: Command Ballistic Missile Deployment Military C3I Policy
            Analysis Atomic Energy Development Technology

Accession #: 1432   AD #: 0
TITLE: SDS Electro - Optical Subsystem for the TMPS Meeting

Author(s): 0
Date: 02/06/85   Pages:150   Report #: 0
Corp. Author: Ball Aerospace Systems Division

Index Terms: Intercept Baseline Optical Subsystem Design Phenomenolgy
            Target Acquisition Light Launch Earth Storage Command Misson

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Accession #: 1434   AD #: 0
TITLE: A Submillimeter Wavelength Space-Based Imaging Radar

Author(s): Manheimer, W.M.
Date: 05/31/88   Pages:27   Report #: NRL 9111
Corp. Author: Office of Naval Research, Washington, D.C. 26375

Index Terms: Radar Image Wavelength Decoy Cavity Cyclotron Configuration
            Rotation Development Research Technology

Accession #: 1435   AD #: 0
TITLE: Constitutionality Of Warrantless On - Site Arms Control Inspections
          In The United States
Author(s): Tanzman, E.A.
Date: 01/01/88   Pages:68   Report #: 0
Corp. Author: 0

Index Terms: Chemical Weapon Inspection Framework Analysis Arms Control
               Soviet Union Technology Missile Treaty Military Reduction

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Accession #: 1436   AD #: 0
TITLE: The Strategic Defense Initiative: Myth And Reality

Author(s): Holmes, K.R.
Date: 06/26/88   Pages:005   Report #: 0
Corp. Author: The Heritage Foundation, 214 Mass. Ave. N.E., Washington,
               D.C. 20002
Index Terms: SDI Myth Policy Feasibility OTA Nuclear Warhead Moscow
               Countermeasure Threat Ballistic Missile USSR Deployment

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Accession #: 1437   AD #: 0
TITLE: Report To Congress 1988 - Questions and Answers

Author(s): 0
Date: 0   Pages:005   Report #: 0
Corp. Author: 0

Index Terms: SDIO Congress Technology Research ABM Treaty Soviet Union
               Missile Military DAB Allocation Development

Accession #: 1438   AD #: 0
TITLE: Report of the Defense Science Board Task Force Subgroup on Strategic
          Air Defense (SDI Milstone Panel)
Author(s): Everett, R.R.
Date: 05/01/88   Pages:11   Report #: 88-1962
Corp. Author: Office of the Under Sec. of Def. for Acquisition, Wash., D.C.
               20301-3140
Index Terms: DSB Weapon Technology Deployment Detection Assessment
               Ballistic Missile Treaty Attack Withdrawl Surveillance

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Accession #: 1439   AD #: 0
TITLE: SDIO Response to the US Congress OTA Report

Author(s): 0
Date: 06/07/88   Pages:003   Report #: 0
Corp. Author: 0

Index Terms: Battle Management Catastrophy Technology Algorithm Deployment
               Missile Test Congress

Accession #: 1440   AD #: 0
TITLE: SDI Gains Milestone I Approval

Author(s): 0
Date: 09/18/87   Pages:10   Report #: 483-87
Corp. Author: DoD, Office of Asst. Sec. of Def. (Public Affairs),
               Washington, D.C. 20301
Index Terms: Simulation Acquisition Validation SDI ABM Treaty Analysis
               Technology Space Surveillance BM/C3 Deployment Decoy

Accession #: 1441   AD #: 0
TITLE: SDIO Conducts Delta 181 Space Experiment

Author(s): 0
Date: 02/09/88   Pages:13   Report #: 0
Corp. Author: DoD, Office of Asst. Sec. of Def. (Public Affairs),
              Washington, D.C. 20301
Index Terms: Deployment Ultraviolet Atmosphere NASA DoD Radar Sensor
             Mission Data Laser Transmission SDI Development Launch

Accession #: 1442   AD #: 0
TITLE: SDIO FY 1988 Budget Cut Impact

Author(s): 0
Date: 02/18/88   Pages:008   Report #: 0
Corp. Author: 0

Index Terms: Reduction SATKA DEW KEW Laser Target Surveillance Sensor
             Vehicle Mirror SDI Congress

Accession #: 1443   AD #: 0
TITLE: SDIO FY 88 Budget Detail

Author(s): 0
Date: 02/29/88   Pages:002   Report #: 0
Corp. Author: 0

Index Terms: Survivability Space BM/C3 Technology NTB SATKA Laser Shuttle
             KEW DEW SLKT

Accession #: 1444   AD #: 0
TITLE: Response To Query -- SETA/Enviromental Integration Contacts

Author(s): 0
Date: 03/30/88   Pages:003   Report #: 0
Corp. Author: 0

Index Terms: Management Control Theater Defense Architecture Communication
             Technology NTB Integration Analysis SETA

Accession #: 1445   AD #: 0
TITLE: Sunday Washington Post Story On SDI

Author(s): 0
Date: 03/28/88   Pages:001   Report #: 0
Corp. Author: 0

Index Terms: Deployment Technology Missile SDI Deterrence DAB Target
             Installation Congress

Accession #: 1446   AD #: 0
TITLE: It's Time For Truth About SDI

Author(s): Ambassador Rowny, E.L.
Date: 0   Pages:008   Report #: 0
Corp. Author: United States Department Of State, Washington, D.C. 20520

Index Terms: Moscow INF Arms U.S.S.R. SDI Security Decoy Warhead Ballistic
             Missile Technology Reduction Deployment Survivability

Accession #: 1447   AD #: 0
TITLE: Response To Query: SE&I Contract Award

Author(s): 0
Date: 05/12/88   Pages:003   Report #: 0
Corp. Author: 0

Index Terms: SDIO NTB ALS FARs Balance Transmission Technology Weapon
             Asessment Architecture Aerospace Air Force DNA ASDC ABM Treaty

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Accession #: 1448   AD #: 0
TITLE: Statement On The Strategic Defense Initiative

Author(s): Judd, O'Dean Dr.
Date: 07/14/88   Pages:005   Report #: 0
Corp. Author: SDIO, The Pentagon, Washington, D.C. 20301

Index Terms: OTA SDI BM/C3 Countermeasure Ballistic Missile Soviet Union
             Deployment Technology Research

Accession #: 1449   AD #: 0
TITLE: Current SDI Research and Development Policy

Author(s): Duke, P.
Date: 04/07/88   Pages:42   Report #: 0
Corp. Author: WORLDNET, USIA, Television and Film Service, Washington, D.C.

Index Terms: SDI Tokyo Tel Aviv Policy Congress Ballistic Missile
             Technology Soviet Union Security Debate Deployment

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Accession #: 1450   AD #: 0
TITLE: Statement On The Strategic Defense Initiative

Author(s): Lt Gen. Abrahamson, J.A.
Date: 03/16/88   Pages:15   Report #: 0
Corp. Author: Director, SDIO, The Pentagon, Washington, D.C.

Index Terms: Ballistic Missile SDI Technology Deployment Surveillance
             Launch Detection BM/C3 Acquisition SBI Development

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Accession #: 1451   AD #: 0
TITLE: Statement On The Strategic Defense Initiative

Author(s): Lt Gen. Abrahamson, J.A.
Date: 03/29/88   Pages:15   Report #: 0
Corp. Author: Director, SDIO, The Pentagon, Washington, D.C.

Index Terms: GAO Research Development SDIO Mission Technology Feasibility
             NASA DOE

Accession #: 1452   AD #: 0
TITLE: Statement On The Strategic Defense Initiative

Author(s): Lt Gen. Abrahamson, J.A.
Date: 03/31/88   Pages:20   Report #: 0
Corp. Author: Director, SDIO, The Pentagon, Washington, D.C.

Index Terms: Deployment Defense Anti-ballistic Missile Technology SDIO
             Surveillance Discrimination Midcourse ERIS BM/C3 Target

Accession #:   1453   AD #: 0
TITLE: Statement On The Strategic Defense Initiative

Author(s): Lt Gen. Abrahamson, J.A.
Date: 04/18/88   Pages:18   Report #: 0
Corp. Author: Director, SDIO, The Pentagon, Washington, D.C.

Index Terms: ABM Treaty SDI Analysis Development Validation Threat SBI BSTS
             BM/C3 Target Vehicle Deployment Balance

Accession #:   1454   AD #: 0
TITLE: Statement On The Strategic Defense Initiative

Author(s): Lt Gen. Abrahamson, J.A.
Date: 04/26/88   Pages:16   Report #: 0
Corp. Author: Director, SDIO, The Pentagon, Washington, D.C.

Index Terms: Ballistic Missile Acquisition Analysis Simulation BM/C3 Air
             Force Balance Feasibility SASC Deployment Technology Policy

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Accession #:   1455   AD #: 0
TITLE: Statement By William H. Carroll

Author(s): Carroll, W.H.
Date: 04/19/88   Pages:25   Report #: 0
Corp. Author: General Council, SDIO, The Pentagon, Washington, D.C.

Index Terms: Research Logistic Military Security GSA HASC Analysis SDIO
             BM/C3 Feasibility Simulation

Accession #:   1456   AD #: 0
TITLE: That SDI Story

Author(s): Lt Gen. Abrahamson, J.A.; Gibbons, J.H.
Date: 05/05/88   Pages:001   Report #: 0
Corp. Author: The Washington Post

Index Terms: OTA SDIO Failure Feasibility Catastrpohic Ballistic Missile
             Technology

Accession #:   1457   AD #: 0
TITLE: SDI: The First Five Years

Author(s): 0
Date: 03/13/88   Pages:38   Report #: 0
Corp. Author: The Institute for Foriegn Policy Analyis, Inc.

Index Terms: United Kingdom Alliance Policy SDI Communication Technology
             Target Integration Algorithm BM/C3 Weapon Architecture

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Accession #:   1458   AD #: 0
TITLE: Strategic Defense Initiative: Accuracy of Statements Concerning
       DOE's X-Ray Laser Research Program
Author(s): Conahan, F.C.
Date: 06/01/88   Pages:15   Report #: GAO/NASIAD-88-181BR
Corp. Author: United States General Accounting Office, Washington, D.C.
              20584
Index Terms: Communication X-Ray Ballistic Missile Defense Laser Soviet
             Union Technology Congress Feasibility

Accession #:   1459   AD #: 0
TITLE: A Mathematical Theory Of Asymptotic Computation

Author(s): Elefante, D.M.
Date: 12/01/87   Pages:80   Report #: 0
Corp. Author: Odyssey Research Assoc., 301A Harris B. Dates Dr., Ithaca, NY
              14850-1313
Index Terms: Formulation Theory Mathematics Computation Sequence Variable
             Termination Node Arrow Loop Integer

Accession #:   1460   AD #: 0
TITLE: Contract Data Requirements List (CLIN 4) for the National Test Bed
       Integration Contract
Author(s): 0
Date: 05/20/88   Pages:130   Report #: 0
Corp. Author: SDIO, DoD, Washington, D.C.

Index Terms: Integration Installation Analysis Baseline Allocation
             Simulation Target Transmission Configuration Communication

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Accession #:   1462   AD #: 0
TITLE: Theater Missile Defense Survivability Analysis - Program Plan

Author(s): 0
Date: 02/15/88   Pages:33   Report #: TMDSA-SR-88-003
Corp. Author: Booz-Allen & Hamilton Inc., 4900 Corporate Dr., Suite E,
              Huntsville, AL 35805
Index Terms: Survivability Resolution Allocation Development Theater
             Missile Defense Database Surrogate Research Technology

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Accession #:   1463   AD #: 0
TITLE: Advanced Structural Materials Technology Development Program --
       Twenty Third Monthly Progress Report For March 23, 1988 - April 22,
Author(s): 0
Date: 05/03/88   Pages:85   Report #: LJ-88-51-TR
Corp. Author: SPARTA, Inc., 1055 Wall Street, Suite 200, P.O. Box 1354, La
              Jolla, CA 92037
Index Terms: Vehicle Accelerator Rail Fabrication Space Circuit Plasma
             Metallography Diffusion Friction Erosion Radiometry Insulation

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Accession #:   1464   AD #: 0
TITLE: High Temperature Lightweight Composites For Space Nuclear Power

Author(s): Lake, M.L.; Dillon, R.O.; Hickok, J.K., et al
Date: 0   Pages:90   Report #: 0
Corp. Author: Applied Sciences Inc., 800 Livermore Street, Yellow Springs,
              OH 45387
Index Terms: Carbon Temperature Catalyst Probe Fiber Energy Mobility Design
             Graphite Ratio Pyrolytic

Accession #:   1465   AD #: 0
TITLE: Non-Parasitic Design Concepts for Intrinsic Hardness of Advanced
       Composite Missile Cases
Author(s): Eisler, R.D.; Chatterjee, A.K.
Date: 08/10/88   Pages:120   Report #: MCR-COM-R-88-197
Corp. Author: Mission Research Corporation, 3505 Cadillac Ave., Bldg. H,
              Costa Mesa, CA 92626
Index Terms: Hardness Accumulation Fiber Tolerance Missile Graphite Angle
             Stress Velocity Configuration Development Analysis Epoxy

Accession #:   1466   AD #: 0
TITLE: Allocating and Launching MaRV Interceptors Based on Miss Distance
        Predictions
Author(s): Corynen, G.C.
Date: 06/01/88   Pages:135   Report #: UCRL - 53875
Corp. Author: Lawrence Livermore National Laboratory, Livermore, CA 94550

Index Terms: Policy Threat Vulnerability Equation Launch Allocation Defense
             Battle Management Acceleration Motion Interceptor

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Accession #:   1467   AD #: 0
TITLE: Selective Bibliography Of National Survival Literature

Author(s): Corbett, K.; Ridgeway, D.
Date: 08/01/88   Pages:13   Report #: 0
Corp. Author: Booz-Allen & Hamilton

Index Terms: Survival Technology Feasibility Countermeasure Test Bed
             Interceptor Policy SDI

Accession #:   1468   AD #: 0
TITLE: Thermoelectromagnetic Pumps for Space Nuclear Power Systems

Author(s): Campana, R.J.; Ciarlariello, T.
Date: 01/01/88   Pages:008   Report #: 0
Corp. Author: Amer. Inst. of Aeronautics and Astronautics, 555 W. 57th St.,
              NY, N.Y. 10019
Index Terms: Voltage SDI Heat Static Survival Configuration Methodology
             Calculation Feasibility Hydraulic Reduction Semiconductor

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Accession #:   1469   AD #: 0
TITLE: Star Wars: the impossible dream

Author(s): Pike, J.
Date: 09/01/88   Pages:005   Report #: 0
Corp. Author: New Scientist, 200 Mechan Ave., Elmont, N.Y. 11003

Index Terms: ABM Treaty Warhead Decoy SDIO Technology Space Radar Sensor
             Laser Kilogram Aircraft Target Missile U.S.S.R. Network Survei

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Accession #:   1470   AD #: 0
TITLE: Science and the American Citizen

Author(s): 0
Date: 09/01/88   Pages:002   Report #: 0
Corp. Author: Scientific American, 415 Madison Ave., New York, N.Y. 10017

Index Terms: Military Nuclear Missile Pentagon JCS Technology SDI Radar
             Code Enemy Error Soviet Union Deployment Emmission

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Accession #:   1471   AD #: 0
TITLE: Action Items: Appendix To ERIS Critical Design Review

Author(s): 0
Date: 09/20/88   Pages:012   Report #: LMSC-L077383A
Corp. Author: Lockheed Missiles & Space Co., Inc., Sunnyvale, CA 94088

Index Terms: Tank Propellant Integration Nitrogen KEW ERIS Vibration
             Mission Development

Accession #: 1472   AD #: 0
TITLE: Interceptor-To-Target Strategies For Strategic Defense I: Adapative
       Strategies Based Upon System And Threat Characteristics
Author(s): Smith, M.E.; Patterson, T.S.
Date: 07/01/88   Pages:032   Report #: IDA P-2058
Corp. Author: Institute for Defense Analyses, 1801 N. Beauregard St.,
              Alexandria, VA 22311
Index Terms: Interceptor Allocation Simulation Battle Management Algorithm
             Analysis Architecture Target Linear Development Discrimination

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Accession #: 1473   AD #: 0
TITLE: SDIO Modil Industrial Briefing

Author(s): 0
Date: 03/09/88   Pages:65   Report #: 0
Corp. Author: Optical Sciences Center, University of Arizona

Index Terms: Workshop Modil Optic Technology Briefing System Metrology
             Program

Accession #: 1474   AD #: 0
TITLE: Second SDIO Optics Modil Industrial Briefing

Author(s): 0
Date: 06/15/88   Pages:55   Report #: 0
Corp. Author: Optical Science Center

Index Terms: Optic Program MODIL Industrial Briefing Technology Science
             Laboratory

Accession #: 1475   AD #: 0
TITLE: Experimental Investigation of Emittance Growth in Particle Beams
       Using Directly Heated Lanthanum Hexaboride Cathodes
Author(s): McHarg, M., Capt.; Young, D., Lt.
Date: 06/01/88   Pages:34   Report #: AFWL-TR-87-129
Corp. Author: AFWL, Kirtland Air Force Base, New Mexico, 87117-6008

Index Terms: Nonlinear Electron Cathode Hexaboride Theroy Infrared Beam
             Kinetic Energy Optic Frequency Plasma

Accession #: 1476   AD #: 0
TITLE: Readout Electronics Hardness Imporvement Program Plan

Author(s): Snively, F.; Beardwood, B.
Date: 07/26/88   Pages:58   Report #: C88-806/601
Corp. Author: Rockwell International, P.O. Box 3105, 3370 Miraloma Ave.,
              Anaheim, CA 92803
Index Terms: Neutron Ionization Array Weapon Development Survivability
             Technology Integration Semiconductor Evolution Detector

Accession #:U00173   AD #: -0-
TITLE: Document Change Status Of Exoatmospheric Reentry-Vehicle Interceptor
        Subsystem
Author(s): -0-
Date: 11/14/86   Pages:185   Report #: -0-
Corp. Author: -0-

Index Terms: ERIS Interfacing Communication Evaluation Assessment Dataset

Accession #:U00372   AD #: -0-
TITLE: Solar Power Satellite System Definition Study Phase III - Final
        Report - Volume V - Space Transportation Analysis
Author(s): Woodcock, G.R.
Date: 06/01/80   Pages:153   Report #: NASA-CR-160746
Corp. Author: The Boeing Aerospace Co., P.O. Box 3999, Seattle, WA 98124

Index Terms: Solar Power Satellite System Laser Analysis Trajectory
             Shuttle-Derived Transportation Orbit Launch

Accession #:U00436   AD #: -0-
TITLE: An Annotated Bibliography For Integration Of Performance &
        Reliability With Emphasis On Multiprocessor Systems
Author(s): Chellappa, M.; Somalwar, K.K.
Date: 03/01/87   Pages:165   Report #: -0-
Corp. Author: Dept. of Computer Science, University Of Texas at Austin

Index Terms: Semiconductor Fault Tolerant Logic Application Algorithm
             Database Theory Binary Detection

Accession #:U00437   AD #: -0-
TITLE: Message Formatting for the Sensor Based Concept (SBC) Networks

Author(s): Lazinger, D.J.; Feldman, N.E.; Stone, W.H.
Date: -0-   Pages:007   Report #: -0-
Corp. Author: Aerospacre Corporation

Index Terms: Satellite Architecture Network Application Node

Accession #:U00451   AD #: -0-
TITLE: Concurrent Real Time Simulation Abstract

Author(s): Floyd, T.S.
Date: 06/22/87   Pages:013   Report #: 87-228
Corp. Author: Georgia Institute of Technology, Atlanta, GA 30332

Index Terms: Sensor Technology Architecture Simulation Development
             Temperature Linear Endoatmospheric Algorithm Communication

Accession #:U00452   AD #: -0-
TITLE: An Approach To The Verification Of A Fault Tolerant, Computer-Based,
        Reactor Safety System -- A Case Study Utilizing Automated Reasoning
Author(s): Chislom, G.H.; Hijaich, J., et al
Date: 04/01/86   Pages:088   Report #: RF 2686-1
Corp. Author: Argonne National Laboratory, 9700 S. Cass Ave., Argonne, IL
                 60439
Index Terms: Analysis Hardware Automation Application Software Design Logic
             Communication

Accession #:U00453   AD #: -0-
TITLE: A Fault-Tolerant 2D Warp Architecture (A Cooperative Research Effort
        between CMU and GE)
Author(s): Kung, H.T.
Date: 04/03/87   Pages:41   Report #: -0-
Corp. Author: Dept. of Computer Science, Carnegie Mellon Univ., Pittsburg,
              PA 15312
Index Terms: Detection Computation Reconfiguration Channel Simulation Array
        Memory Application Algorithm Logic

Accession #:U00546   AD #: -0-
TITLE: NBS List of Publications: Revised July 1988

Author(s): -0-
Date: 01/01/88   Pages:106   Report #: SP 305 - 19
Corp. Author: U.S. Dept. OF Commerence, National Bureau of Standards

Index Terms: Management Technology Physics Modulation Rotation Solar
        Stability Analysis Wind Seismic Stress Degradation Simulation

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Accession #:U00815   AD #: -0-
TITLE: SDI Software Technology Program Plan

Author(s): Linn, C.J.; Bloom, M.I., et al
Date: 06/01/88   Pages:470   Report #: IDA P-1926
Corp. Author: IDA, 1801 N. Beauregard St. , Alex, VA 22311

Index Terms: SDIO BM/C3 R&D Technology Software Security Algorithm
        Prototype Milestone OMB Sensor Integration

Accession #:U00867   AD #: -0-
TITLE: SDI System Architecture & Key Tradeoff Studies: Final Briefing -
        Affordability/ Management Information Systems
Author(s): -0-
Date: 06/06/85   Pages:26   Report #: -0-
Corp. Author: TRW

Index Terms: Control Management Performance Cost Growth Risk Analysis Boost
        Allocation

Accession #:U00931   AD #: -0-
TITLE: Simulation and Reliability Analysis of the Fault Tolerant 2-D Warp
        Architecture
Author(s): English, D.M.
Date: 04/02/87   Pages:021   Report #: -0-
Corp. Author: General Electric Company, Syracuse, NY 13221

Index Terms: Structure Simulation Architecture Baseline Analysis
        Integration Intelligence Switch Buffer

Accession #:U00940   AD #: -0-
TITLE: The Multiple Satellite System Program Overiew/Status

Author(s): -0-
Date: 11/12/86   Pages:30   Report #: -0-
Corp. Author: -0-

Index Terms: Network Satellite Design Airborne Voice Communication
        Frequency Antenna Array Crosslink Transmission

Accession #:U01000   AD #: -0-
TITLE: SDI BM/C3 System Architecture Studies: Phase II Quarterly Review

Author(s): -0-
Date: 10/08/86   Pages:200   Report #: -0-
Corp. Author: Ford Aerospace & Communication Corporation

Index Terms: Space Battle Warning SDI Mission BSTS SSTS Weapon Flight ERIS
             HEDI Angle Surveillance Propagation

Accession #:U01009   AD #: -0-
TITLE: SDIO/Services BM/C3 Technology Project Review

Author(s): -0-
Date: 04/22/86   Pages:250   Report #: -0-
Corp. Author: IDA, 1801 N. Beauregard St., Alex., VA 22311

Index Terms: Software Evolution Mission Development Integration Validation
             Node Aircraft Weapon Application Mathematics

Accession #:U01012   AD #: -0-
TITLE: Multiple Satellite System Program Global Robust and Surveillance
        Communication System
Author(s): -0-
Date: -0-   Pages:50   Report #: -0-
Corp. Author: Harris Government Aerospace System Division

Index Terms: Orbit Earth Satellite Communication Antenna Module Assembly
             Integration Solar Array Dielectric

Accession #:U01097   AD #: -0-
TITLE: Multiple Satellite System Program Antenna

Author(s): Brumbaugh, T.
Date: 11/12/86   Pages:40   Report #: -0-
Corp. Author: Rockwell International

Index Terms: Design Antenna Array Beam Transition Watt Angle

Accession #:U01126   AD #: -0-
TITLE: Interm Technical Report For The Multiple Satellite System Program

Author(s): -0-
Date: 06/26/86   Pages:046   Report #: -0-
Corp. Author: QUALCOMM, Inc., 10555 Sorrento Valey Rd., San Diego, CA 92121

Index Terms: Analysis Satellite Global Earth Algorithm Connection
             Architecture Wavefrom Transmission Simulation

Accession #:U01131   AD #: -0-
TITLE: Satellite Integration Data Package For MSSP Working Group III

Author(s): -0-
Date: 11/14/86   Pages:35   Report #: -0-
Corp. Author: RCA Astro-Electronics

Index Terms: Launch Tradeoff Altitude Satellite Gravity Cable Air Force
             Radiation Reduction

Accession #:U01134   AD #: -0-
TITLE: MSSP Workgroup III

Author(s): -0-
Date: 11/14/86   Pages:45   Report #: -0-
Corp. Author: Cincinnati Electronics Corporation

Index Terms: Convolutional Mode Transmission Wavefrom Network Distance
             Ratio Application Communication Architecture Development

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Accession #:U01206   AD #: -0-
TITLE: LISS Low Cost Use of Space Through Lightweight Satellites and Fleet
        Ballistic MIssile-Derived ELVs
Author(s): Brodsky, M.T.; Grizell, N.
Date: 02/01/87   Pages:17   Report #: -0-
Corp. Author: Lockhed Missiles & Space Co. Inc., Sunnyvale, CA 94088-3504

Index Terms: Baseline Booster Configuration Injection Launch Research
             Satellite Spacecraft Ballistic Missile

Accession #:U01223   AD #: -0-
TITLE: Ultraviolet Surveillance of Boosters and Post-Boost Vehicles

Author(s): Bowyer, S.; Hurwitz, M.
Date: -0-   Pages:003   Report #: A88-42527
Corp. Author: AIAA, 555 West 57th St., New York, N.Y. 10019

Index Terms: -0-

Accession #:U01243   AD #: -0-
TITLE: MSSP Burst Radio RF Electronics Design Description

Author(s): -0-
Date: 11/07/86   Pages:35   Report #: -0-
Corp. Author: Harris GASD, Melbourne, FL

Index Terms: -0-

Accession #:U01244   AD #: -0-
TITLE: The First SDI BM/C3 Experiment In Space

Author(s): -0-
Date: -0-   Pages:45   Report #: -0-
Corp. Author: Cooperating Space System

Index Terms: Demonstration Space BM/C3 Algorithm Assessment Allocation
             Spacecraft Research Development Mission

Accession #:U01250   AD #: -0-
TITLE: The SDI Advanced Planning Briefing for Industry - Revised Agenda

Author(s): -0-
Date: 11/30/88   Pages:65   Report #: -0-
Corp. Author: Nat. Inst. of Standards & Technology, Gaithersburg, MD

Index Terms: SDIO Phase One Architecture Theater Missile Defense NTB SATKA
             Sensor Surveillance Warfare KEW ASDC Air Force

Accession #:U01290   AD #: -0-
TITLE: Proposed Optical Communication Experiment With NASA Advanced
        Communications Technology Satellite
Author(s): Chan, V.W.S.
Date: 05/01/85   Pages:137   Report #: SC-64
Corp. Author: M.I.T., Lexington, MA

Index Terms: Heterodyne Detection Communication Laser Acquisition Beacon
             NASA Construction Geosynchronous Configuration Telescope
_____
Accession #:U01477   AD #: -0-
TITLE: Cornus, A Disturbed Operating System: Functional Definition And
        System Concept
Author(s): Schantz, R.E.; Thomas, R.H.
Date: 04/01/88   Pages:102   Report #: BBN-5879
Corp. Author: BBN Laboratories Inc., 10 Moulton Street, Cambridge, MA 02238

Index Terms: Survivability Heterogeneous Computation Communication
             Management Integration Security Authentication Configuration
_____
Accession #:U01478   AD #: -0-
TITLE: Cronus, A Disturbed Operating System: Phase One

Author(s): Schantz, R.E.; Thomas, R.H., et al
Date: 04/01/88   Pages:84   Report #: BBN-5885
Corp. Author: BBN Laboratories Inc., 10 Moulton Street, Cambridge, MA 02238

Index Terms: Control Encodement Software Architecture Design Validation
             Fault Computer Hardware Technology Application
_____
Accession #:U01479   AD #: -0-
TITLE: Response To The Kite-1 Cooling Subsystem CDR Trouble Reports

Author(s): Pritchard, J.L.
Date: 09/19/88   Pages:90   Report #: -0-
Corp. Author: McDonnell Douglas, 5301 Bolsa Ave., Huntington Beach, CA
              92647-2048
Index Terms: Integration Assembly Temperature Coolant Configuration
             Trajectory Analysis Mission Vehicle Frequency
_____
Accession #:U01480   AD #: -0-
TITLE: Cronus, A Disturbed Operating System: Revised System/Subsystem
        Specification
Author(s): Schantz, R.W.; Thomas, R.H., et al
Date: 04/01/88   Pages:250   Report #: BBN-5884
Corp. Author: BBN Laboratories Inc., 10 Moulton Street, Cambridge, MA 02238

Index Terms: Cluster Network Structure Control Security Communication
             Design Analysis Default Probe Configuration
_____
Accession #:U01481   AD #: -0-
TITLE: Defense Budget and Program Issues Fiscal Year 1989 Budget

Author(s): -0-
Date: 03/14/88   Pages:013   Report #: GAO/T-NSRTAD-88-18
Corp. Author: United States General Accounting Office, Washington, D.C.

Index Terms: DoD Congress Weapon Reduction Navy OSD Helicopter Army Torpedo
             Production Reduction Acquisition Mission Command
_____

Accession #:U01482   AD #: -0-
TITLE: Data Requirements List: Final Report - Dated 29 March 1988

Author(s): Anderson, J.R.
Date: 09/29/88   Pages:004   Report #: LMSC/F233918
Corp. Author: Lockheed Missiles & Space Co., Inc., 1111 Lockheed Way,
              Sunnyvale, CA 94086
Index Terms: Technology Analysis Flight Software Sensor Development
             Architecture

Accession #:U01483   AD #: -0-
TITLE: Information Security - Actions Taken to Improve Lockheed's Special
       Access Document Accountability
Author(s): Ferber, M.M.
Date: 11/01/87   Pages:013   Report #: GAO/NSIAD-88-2BR
Corp. Author: United States General Accounting Office, Washington, D.C.
              20548
Index Terms: Methodology Control Security Destruction Baseline
             Microcomputer

Accession #:U01484   AD #: -0-
TITLE: SDI Program: Status of Space Surveillance and Tracking System

Author(s): -0-
Date: 11/01/88   Pages:004   Report #: GAO/NSIAD-88-61
Corp. Author: United States General Accounting Office, Washington, D.C.
              20548
Index Terms: Ballistic Missile SDIO Sensor Midcourse Surveillance Space
             Integration Architecture Detector Acquisition

Accession #:U01485   AD #: -0-
TITLE: DoD Acquisition Programs: Status of Selected Systems

Author(s): -0-
Date: 06/01/88   Pages:165   Report #: GAO/NSIAD-88-160
Corp. Author: United States General Accounting Office, Washington, D.C.
              20548
Index Terms: DOD Acquisition Development Warhead Launch Airborne Seawolf
             Warfare ICBM Attack Missile Sensor Aircraft

Accession #:U01486   AD #: -0-
TITLE: Procurement - Multiyear Contracting and Its Impact on Investment
       Decisions
Author(s): -0-
Date: 05/01/88   Pages:047   Report #: GAO/NSIAD-88-125
Corp. Author: United States General Accounting Office, Washington, D.C.
              20548
Index Terms: DoD Acquisition Technology Army Navy Air Force Congress Risk
             Production Policy Design Stability

Accession #:U01487   AD #: -0-
TITLE: Military Space Operations: Shuttle and Satellite Computer Systems Do
       Not Meet Performance Objectives
Author(s): -0-
Date: 08/01/88   Pages:044   Report #: GAO/IMTEC-88-7
Corp. Author: United States General Accounting Office, Washington, D.C.
              20548
Index Terms: Air Force Satellite Computer Communication Navigation
             Development Congress Analysis Mission NASA Security Policy

Accession #:U01488   AD #: -0-
TITLE: Procurement: Small Business Suspension and Debarment by the
        Department of Defense
Author(s): -0-
Date: 12/01/87   Pages:012   Report #: GAO/NSIAD-88-60BR
Corp. Author: United States General Accounting Office, Washington, D.C.
              20548
Index Terms: DoD Suspension Analysis

Accession #:U01489   AD #: -0-
TITLE: Defense Procurement: Work Measurement Programs at Selected
        Contractor Locations
Author(s): -0-
Date: -0-   Pages:019   Report #: GAO/NSIAD-83-43BR
Corp. Author: United States General Accounting Office, Washington, D.C.
              20548
Index Terms: Aircraft Weapon DoD Production Navy Air Force Implementation
              Methodology Command Allocation Missile Reentry Reduction

Accession #:U01490   AD #: -0-
TITLE: Handbook Of HE Explosion Effects

Author(s): Petes, J.
Date: 04/11/86   Pages:36   Report #: DASIAC TN-86-15
Corp. Author: Kaman Tempo, Huntington Bldg., 2560 Huntington Ave.,
              Alexandria, VA 22303-1410
Index Terms: Crater Explosion Calculation Airblast Hydrocode Cylinder Burst
              Sphere

Accession #:U01491   AD #: -0-
TITLE: Joint Hearing Testimony on SDI

Author(s): -0-
Date: 10/06/88   Pages:12   Report #: -0-
Corp. Author: SDIO, The Pentagon, Washington, D.C.

Index Terms: Sensor Deployment Technology Acquisition Balance Interceptor
              BM/C3 Mission Congress Research Weapon

Accession #:U01492   AD #: AD-A192341
TITLE: Strategic Defense Initiative - Strategic Implications

Author(s): Russell, T.L., LTC
Date: 03/01/88   Pages:035   Report #: -0-
Corp. Author: Army War College, Carlise, PA 17013-5050

Index Terms: Stability Arms Control SDI United States U.S.S.R. Security
              Deployment Weapon Retaliation ICBM Bomber Submarine Population

Accession #:U01493   AD #: AD-A192404
TITLE: Who is going to Shoot Down the First ICBM - Man or Machine ?

Author(s): Piepenbrink, J.O.
Date: 04/01/88   Pages:023   Report #: ASCS-88-2130
Corp. Author: Air Command and Staff College, Maxwell AFB, AL

Index Terms: SDI Weapon ICBM Safety Control Midcourse Trajectory Warhead
              Destruction Air Force Communication

Accession #:U01494   AD #: AD-A192912
TITLE: What to do About ASAT?

Author(s): Pettit, E.
Date: 02/29/88   Pages:044   Report #: -0-
Corp. Author: Army War College, Maxwell AFB, Carlise, PA 17013-5050

Index Terms: Antisatellite Resolution Policy Mission Surveillance
             Communication Ballistic Missile Telementry Detection

Accession #:U01495   AD #: AD-A192794
TITLE: Future SDI Decision Making

Author(s): Holman, B.W.
Date: 03/29/88   Pages:33   Report #: -0-
Corp. Author: Army War College, Carlisle, PA 17013-5050

Index Terms: Congress Soviet Union Feasibility SDI ABM Treaty Deployment
             Destruction Target DEW SATKA KEW Deterrence

Accession #:U01496   AD #: AD-A194794
TITLE: The President and the Stages of Policy Development

Author(s): Medve, J.P.
Date: 05/01/88   Pages:100   Report #: -0-
Corp. Author: Texas Univ. at Austin

Index Terms: SDI Policy Congress Economy Formula Implementation Hostile
             Vietnam ABM Treaty

Accession #:U01497   AD #: AD-A195079
TITLE: Looking Beyond the Strategic Defense Initiative

Author(s): Nichols, D.H. LTC
Date: 03/30/88   Pages:045   Report #: -0-
Corp. Author: Army War College, Carlisle, PA 17013-5050

Index Terms: Ballistic Missile SDI Deterrence Failure Weapon Deployment
             Soviet Union Submarine Space Ejection Mission C3I Policy

Accession #:U01498   AD #: AD-A195412
TITLE: Strategic Defense Initive Defense - Issues and Implications for the
       Atlantic Alliance
Author(s): Davidson, C.G.
Date: 05/01/88   Pages:099   Report #: -0-
Corp. Author: HQDA, TAPA, 200 Stovall St., Alexandria, VA 22332

Index Terms: Technology SDI Alliance ABM Treaty Stability Deterrence
             Nuclear Threat Bomber Soviet Union Attack U.S. Evacuation

Accession #:U01499   AD #: AD-A194474
TITLE: Strategic Defense Initiative Program: National Test Bed Acquisition
       has not proceeded as planned
Author(s): -0-
Date: 06/01/88   Pages:012   Report #: GAO/NSIAD-88-180FS
Corp. Author: General Accounting Office

Index Terms: NTB NTF SDI Methodology Ballistic Missile Construction
             Acquisition Air Force

Accession #:U01500   AD #: AD-A194544
TITLE: SDI: Where Do We Go From Here?

Author(s): Dierker, R.R. Lt. Col. USAF
Date: 03/30/88   Pages:039   Report #: -0-
Corp. Author: Army War College, Carlisle, PA 17013

Index Terms: U.S. Soviet Union ABM Treaty Technology Domination
             Mobilization Innovation Artillery Imbalance World War II Army

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Accession #:U01502   AD #: -0-
TITLE: Strategic Defense Initiative Architecture Dataflow Modeling
       Technique - Version 1.5
Author(s): Linn, J.L.; Ardoin, C.D.; Linn, C.J., et al
Date: 03/08/88   Pages:126   Report #: P-2035
Corp. Author: Institute For Defense Analyses, 1801 N. Beauregard St.,
              Alex., VA 22311
Index Terms: Computer Architecture Simulation Language BM/C3 technology SDI
             Design Transition

Accession #:U01503   AD #: -0-
TITLE: Users' Manual amd Reference Guide

Author(s): Triplett, J.R.; Sweet, K.; Shkoller, B.
Date: 09/01/88   Pages:176   Report #: SSS-R-89-9891
Corp. Author: S-Cubed, 3398 Carmel Moutain Rd., San Diego, CA 92121-1095

Index Terms: Subroute Electron Stress Hydrodynamic Array Angle Viscosity
             Linear Integration Tabulation Atomic Calculation

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Accession #:U01504   AD #: -0-
TITLE: Trice Design, Evaluation, and Feasibility Tests

Author(s): Huey, H.E.; McVey, J.B.; Sahines, T.P., et al
Date: -0-   Pages:003   Report #: N88-24498
Corp. Author: Rasor Assoc., Inc., 253 Humboldt Court, Sunnyvale, CA 94089

Index Terms: Reactor NASA Innovation Hydraulic Configuration Thermal
             Mission Electrolytic Oxygen Feasibility Baseline Axail

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Accession #:U01505   AD #: -0-
TITLE: Delta 180/Vector Sum: The First Powered Space Intercept

Author(s): Griffin, M.D.; Rendine, M.J. Lt Col USAF
Date: 01/14/88   Pages:010   Report #: A88-88-0161
Corp. Author: AIAA, 370 L'Enfant Promenade, S.W., Washington, D.C. 20024

Index Terms: SDIO Launch Window Guidance Navigation NASA McDonnell Douglas
             Shuttle KEW Vehicle Target Application ABM Analysis

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Accession #:U01506   AD #: -0-
TITLE: Gain Transfer: An Algorithm For Decentralized Hierarchial Estimation

Author(s): Gardner, W.T.; Leondes, C.T.
Date: 06/01/88   Pages:90   Report #: -0-
Corp. Author: University of Califorina, Los Angeles, CA

Index Terms: Algorithm Error Transfer Research Sensor Microprocessor
             Integration Linear Communication Technology Optimal

Accession #:U01507   AD #: -0-
TITLE: Comparison of Dynamic Weapon Allocation Strategies

Author(s): Horenstien, A.
Date: 06/01/88   Pages:85   Report #: -0-
Corp. Author: University Of California, Los Angeles

Index Terms: Allocation Weapon SDI Simulation Global Engagement Strategy
           Battle Target Communication Algorithm Node

Accession #:U01508   AD #: -0-
TITLE: On The Optimal Search Theory

Author(s): Hoai Xuau Vu, Leondes, C.T.
Date: 06/01/88   Pages:120   Report #: -0-
Corp. Author: University Of California, Los Angeles

Index Terms: Research Battle USN Warfare Target Detection Algorithm
           Frequency Global Density Equation

Accession #:U01509   AD #: -0-
TITLE: Performance Evaluation Of Parallel Algorithms And Architectures In
       Concurrent Multiprocessor Systems
Author(s): Ammar, H.H.; Fong, Y.S., et al
Date: 01/01/88   Pages:018   Report #: TR 88-0970
Corp. Author: Dept. of Elec. & Computer Eng., Clarkson University, Potsdam,
         New York 13676
Index Terms: Mapping Algorithm Architecture Analysis SDI Battle Management
           Communication Simulator Hypercube Computation

Accession #:U01510   AD #: -0-
TITLE: Multiple Booster, Multiple Sensor Tracker Correlation Algorithm

Author(s): -0-
Date: 05/03/88   Pages:165   Report #: -0-
Corp. Author: Applied Technology Associates, 400 Gordon Dr., Suite 504,
         Lionville, PA 19353
Index Terms: Trajectory ICBM Development Application Sensor Launch Optical
           Battle Target Kilometer Launch

Accession #:U01511   AD #: -0-
TITLE: SDI Tracker/Correlator Algorithm Design Document

Author(s): Erbacher, J.A.; Bowman, C.L.; Belkin, B., et al
Date: 09/10/86   Pages:145   Report #: T/C-001-87
Corp. Author: Verac, Inc.

Index Terms: Processor Target Map Observation Development Kinematic
           Temperature Equation Cluster

Accession #:U01512   AD #: -0-
TITLE: SDI Tracker/Correlator Phase I Algorithm Test Report

Author(s): Erbacher, J.A.
Date: 10/01/87   Pages:180   Report #: R-104-87
Corp. Author: Ball Systems Engineering Division

Index Terms: Surveillance Geomentry Analysis Test Sensor Velocity Deviation
         Meter Resolution

Accession #:U01513   AD #: -O-
TITLE: Refractory Metal Alloys and Composites for Space Power Systems

Author(s): Stephens, J.R.; Titran, R.H.; Petrasek, D.W.
Date: 04/09/88   Pages:32   Report #: NASA TM 100946
Corp. Author: NASA, Lewis Research Center, Cleveland, Ohio 44135-3191

Index Terms: Fabrication Metal Composite Space Refraction Stress Ratio
             Scheme Spray Kilowatt DOE Projection

Accession #:U01514   AD #: -O-
TITLE: Multimegawatt Space Nuclear Power Program Structural Materials Data
       Sheets: Data Package No. 1
Author(s): -O-
Date: 08/12/88   Pages:45   Report #: -O-
Corp. Author: Oak Ridge National Laboratory, Oak Ridge, Tennessee 37831

Index Terms: Strength Data Space Analysis Behavior Alloy Strain Ingot Curve
             Equation

Accession #:U01515   AD #: -O-
TITLE: Soviet Military Terminology: Reference Aid - Volume A-M

Author(s): -O-
Date: 09/01/88   Pages:572   Report #: -O-
Corp. Author: Foreign Broadcast Information Service, P.O. Box 2604,
              Washington, D.C. 20013
Index Terms: Microcomputer U.S. Soviet Union Army Translation Navy Radar
             Helicopter Artillery Evolution Missile

Accession #:U01516   AD #: -O-
TITLE: Soviet Military Terminology: Reference Aid - Volume N-R

Author(s): -O-
Date: 09/01/88   Pages:579   Report #: -O-
Corp. Author: Foreign Broadcast Information Service, P.O. Box 2604,
              Washington, D.C. 20013
Index Terms: Communication ROTC Tactic Aircraft Navy Moscow Navigation
             Echelon Assault Terminology Theory Submarine

Accession #:U01517   AD #: -O-
TITLE: Soviet Military Terminology: Reference Aid - Volume S-Z

Author(s): -O-
Date: 09/01/88   Pages:546   Report #: -O-
Corp. Author: Foreign Broadcast Information Service, P.O. Box 2604,
              Washington, D.C. 20013
Index Terms: Armor Flight Combat Technology Missile Nuclear Weapon Pilot
             Warfare Artillery Evolution Intelligence

Accession #:U01518   AD #: -O-
TITLE: Functional Technology Validation Program - Contract Breakdown
       Structure
Author(s): -O-
Date: 10/14/88   Pages:310   Report #: LMSC-F133903
Corp. Author: Lockheed Missiles & Space Co., Inc., Sunnyvale, CA 94088-3504

Index Terms: Exoatmospheric Booster Technology Development Vehicle
             Termination Autopilot Kill Analysis Transmission Encoder

Accession #:U01519   AD #: -O-
TITLE: Guidlines For Tailoring DoD-STD-2167A For SDS Software Development

Author(s): Knapper, R.J.; Linn, Cathy Jo; Salasin, J.
Date: 02/01/88   Pages:53   Report #: IDA P-2018
Corp. Author: Institute for Defense Analyses, 1801 N. Beauregard St.,
              Alexandria, VA 22311
Index Terms: Development Scale Software Design Analysis Evaluation BM/C3
             Technology Military Acquisition Formulation Integration SDIO

Accession #:U01520   AD #: -O-
TITLE: SDI BM/C3 Algorithms Technology Program Plan

Author(s): Frenkel, G.; Paterson, T.S.; Smith, M.E.
Date: 04/01/88   Pages:95   Report #: IDA P-2068
Corp. Author: Institute For Defense Analyses, 1801 N. Beauregard St.,
              Alex., VA 22311
Index Terms: SDI Algorithm BM/C3 ASAT Weapon Target Discrimination
             Attrition Midcourse Threat Formulation Error

Accession #:U01521   AD #: -O-
TITLE: Evaluation Of Computer-Aided System Design Tools For SDI BM/C3
       Architecture Development
Author(s): Campbell, K.; Corcoran, N.; Gonzalez, C., et al
Date: 10/01/87   Pages:170   Report #: IDA P-2062
Corp. Author: Institute For Defense Analyses, 1801 N. Beauregard St.,
              Alex., VA 22311
Index Terms: BM/C3 Tool Design Validation Simulation Communication Analysis
             Graphic Transition Elevator Unclassified SDIO Database

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Accession #:U01522   AD #: -O-
TITLE: A Simple Example Of An SADMT Architecture Specification

Author(s): Ardoin, C.D.; Edwards, S.H.; Linn, C.J., et al
Date: 04/01/88   Pages:75   Report #: IDA P-2036
Corp. Author: Institute For Defense Analyses, 1801 N. Beauregard St.,
              Alex., VA 22311
Index Terms: Design Simulation BM/C3 Architecture Technology Target
             Platform Latitude Longitude Sensor Weapon Detection Vector

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Accession #:U01523   AD #: -O-
TITLE: Sagen User's Guide

Author(s): Kappel, M.R.; Ardoin, C.D., et al
Date: 04/01/88   Pages:53   Report #: IDA P-2028
Corp. Author: Institute For Defense Analyses, 1801 N. Beauregard St.,
              Alex., VA 22311
Index Terms: BM/C3 Simulation Linkage Technology Architecture
             Implementation Threat Weapon Assessment Sensor

Accession #:U01524   AD #: -O-
TITLE: SDI BM/C3 Networking Technology Program Plan

Author(s): Botta, R.F.; Noll, S.R.
Date: -O-   Pages:150   Report #: -O-
Corp. Author: Institute For Defense Analyses, 1801 N. Beauregard St.,
              Alex., VA 22311
Index Terms: SDIO Network Security Architecture Communication Topology
             Satellite Stability Development Biological Algorithm

Accession #:U01525   AD #: -0-
TITLE: Report on the Defense Science Board Task Force on Military Software

Author(s): Fowler, C.A.
Date: 09/01/87   Pages:78   Report #: -0-
Corp. Author: Office of the Under Secretary of Defense for Acquisition,
              Wash., D.C. 20301
Index Terms: Technology Acquisition Module Control Software DARPA
             Regulation Communication Transistor Algorithm

Accession #:U01526   AD #: -0-
TITLE: ISI's SDI Architecture Simulator: User Interface and Maintenance
       Programming Environment
Author(s): Mizell, D.; Coatney, S.; et al
Date: 06/20/88   Pages:019   Report #: -0-
Corp. Author: Information Sciences Institute, 4676 Admiralty Way, Marina
              Del Ray, CA 90292
Index Terms: Research Simulation Technology BM/C3 Defense Architecture
             Deployment Semaphore Sensor Laser Missile Threat

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Accession #:U01527   AD #: -0-
TITLE: On the Design of ISI's Initial Prototype SDI Architecture Simulator

Author(s): Mizell, D.; Yu-Wen, T., et al
Date: 03/01/88   Pages:58   Report #: ISI/RR-88-205
Corp. Author: USC/ISI, 4676 Admirally Way, Marina del Rey, CA 90292

Index Terms: Sensor Battle Weapon Missile Communication Defense Behavior
             Satellite Simulation Trajectory Capability Density Deployment

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Accession #:U01528   AD #: -0-
TITLE: Implementation Of A Distributed Adaptive Routing Algorithm On The
       INTEL iPSC
Author(s): Farinelli, T.C. Capt, USAF
Date: 11/01/87   Pages:102   Report #: AFIT/GCS/ENG/87D-11
Corp. Author: Air Force Institute Of Technology, Wright-Patterson AFB, Ohio
              45433-6583
Index Terms: Algorithm Allocation Traffic Cube Topology Communication Array

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Accession #:U01529   AD #: -0-
TITLE: Electronic Systems Division (ESD) BM/C3 Hypercube Applications Final
       Process Review (FPR)
Author(s): -0-
Date: 09/23/87   Pages:110   Report #: -0-
Corp. Author: -0-

Index Terms: Topology Connection Node Hypercube Architecture Application
             Millisecond Sensor Orbit Angle

Accession #:U01530   AD #: -0-
TITLE: SDI System Architecture and Key Tradeoff Studies: Final
       Briefing-Phase II Study Plan
Author(s): -0-
Date: 06/06/85   Pages:90   Report #: -0-
Corp. Author: TRW

Index Terms: Threat Force Architecture Assesment Evolution Suppression
             Analysis Baseline Technology Acquisition Integration

Accession #:U01531   AD #: -0-
TITLE: SDI System Architecture and Key Tradeoff Studies: Final Tech.
        Report-Affordability/Management Information Systems
Author(s): -0-
Date: 06/28/85   Pages:26   Report #: -0-
Corp. Author: TRW Inc., Elec. & Def., One Space Park, Renado Beach, CA
                90278
Index Terms: Management Cost Tracking Development Risk Analysis Threat
                Attack Cycle Warhead

Accession #:U01532   AD #: -0-
TITLE: Strategic Defense Initiative System Architecture & Key Tradeoff
        Studies: Functional Flow Diagrams
Author(s): -0-
Date: 06/01/85   Pages:46   Report #: SSD 85-0080-6
Corp. Author: Rockwell International, SSD, 2600 Westminster Blvd., Seal
                Beach, CA 90740-7644
Index Terms: Deployment Communication Policy Analysis BM/C3 Logistic
                Architecture Methodology SATKA Weapon Force Mission ABM

Accession #:U01533   AD #: -0-
TITLE: Low Cost Expendable Launch Vehicles Space Date Corporation Concepts

Author(s): -0-
Date: 05/11/87   Pages:30   Report #: SDC TM-3144
Corp. Author: Space Data Corporation, 1333 W. 21st Street, Tempe, Arizonia
                85282
Index Terms: Subsystem Launch Control Vehicle Command Microprossor
                Telementry Guidance Acceleration

Accession #:U01534   AD #: -0-
TITLE: SDI System Architecture And Key Tradeoff Studies - Appendix H.
        Preliminary Model Descriptions
Author(s): -0-
Date: 06/01/85   Pages:101   Report #: SSD 85-0080-14
Corp. Author: Rockwell International, SSD, 2600 Westminster Blvd., Seal
                Beach, CA 90740-7644
Index Terms: Policy Strategy Analysis Methodology Communication ABM
                Flouride Interdiction Optical Intelligence Attack Airborne

Accession #:U01535   AD #: -0-
TITLE: SDI System Architecture And Key Tradeoff Studies - Appendix I. Cost
        Analysis and Methodology
Author(s): -0-
Date: 06/01/85   Pages:043   Report #: SSD 85-0080-15
Corp. Author: Rockwell International, SSD, 2600 Westminster Blvd., Seal
                Beach, CA 90704-7644
Index Terms: Mission Survivability Technology Innovation BM/C3
                Antisatellite Fire Airborne Sensor Reentry Surveillance DEW

Accession #:U01536   AD #: -0-
TITLE: SDI System And Key Tradeoff Study - SDIA Final Tech. Rpt., Vol. IV

Author(s): Tuffo, A.G.
Date: 07/15/85   Pages:300   Report #: L068950
Corp. Author: Lockheed Missiles & Space Company Inc., Sunnyvale, CA 94088

Index Terms: Space Evolution Treaty SDI Mission Analysis Policy Soviet
                Threat Transition BMD Deterrence

Accession #:U01537   AD #: -0-
TITLE: The C2 Internet Experiment

Author(s): Schroder, K.J.; Berets, J.C., et al
Date: 06/01/88   Pages:044   Report #: RADC-TR-88-133
Corp. Author: BBN Laboratories Inc., 10 Moulton Street, Cambridge, MA 02238

Index Terms: Methodology Configuration Application Development Control
             Architecture Communication Satellite DARPA Survivability

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Accession #:U01538   AD #: -0-
TITLE: The C2 System Internet Experiment - Functional Description

Author(s): Berets, J.C.; Mucci, R.A., et al
Date: 06/01/88   Pages:048   Report #: RADC-TR-88-133
Corp. Author: BBN Laboratories Inc., 10 Moulton Street, Cambridge, MA
              13441-5700
Index Terms: Architecture Application Communication Technology
             Authentication Development Integration

Accession #:U01539   AD #: -0-
TITLE: The C2 System Internet Experiment System/Subsystem Specification

Author(s): Berets, J.C.; Mucci, R.A.; Schroder, K.J.
Date: 06/01/88   Pages:122   Report #: RADC-TR-88-133
Corp. Author: BBN Laboratories Inc., 10 Moulton Street, Cambridge, MA 02238

Index Terms: Heterogeneous Survivability Application CRONUS Prototype
             Configuration Logistic Simulation Target Fusio Trajectory

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Accession #:U01540   AD #: -0-
TITLE: Fourth In-Process Review For C2 Decision Aids Test Environment

Author(s): -0-
Date: 09/22/87   Pages:375   Report #: TM-1142-05
Corp. Author: ADS, 201 San Antonio Circle, Suite 286, Mountain View, CA
              94040-1289
Index Terms: Network Attack Aviation Simulation Development Configuration
             Communication BM/C2 Sensor Trajectory

Accession #:U01541   AD #: -0-
TITLE: Kalman Filter Architectures For Battle Management

Author(s): -0-
Date: 01/01/87   Pages:45   Report #: 420120
Corp. Author: Systolic Systems Inc., 2240 N. First St., San Jose, CA
              95131-2310
Index Terms: Nonlinear Filter Decoupling Algorithm Formulation Sensor Error
             Analysis Development Technology Computation Feasibility

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Accession #:U01542   AD #: -0-
TITLE: Discrimination Using Polorized Signatures

Author(s): Bass, J.
Date: 03/01/88   Pages:22   Report #: NRC-TR-88-025
Corp. Author: Nichols Research Corporation, 4040 S. Memorial Pwky,
              Huntsville, AL 35802
Index Terms: Aerosol Polorization Scatter Target Optical Trajectory Sensor
             Calculation Error Feasibility Measurement

Accession #:U01543   AD #: -0-
TITLE: Protection of Space-based Optical Componets by Hard, Adherent
         Diamond Coatings
Author(s): Legg, K.O.
Date: 02/03/88   Pages:25   Report #: STL 31738
Corp. Author: Ionic Atlanta Inc., 1347 Spring St., N.W., Atlanta, GA 30309

Index Terms: Coating Optical Plasma Sheath Argon Graphite Hydrogen Diamond
         Cathode Energy Beam Hydrocarbon

Accession #:U01544   AD #: -0-
TITLE: BM/C3 Advanced Fault-Tolerent Computing System: Technical Report for
         Program Development Plan
Author(s): -0-
Date: -0-   Pages:59   Report #: C86-581/101
Corp. Author: Rockwell International, DE Operations, 3370 Miraloma Ave.,
         Anaheim, CA 92803
Index Terms: Evaluation Development Architecture BM/C3 Computer Military
         Technology Application Surveillance Sensor Missile Space

Accession #:U01545   AD #: -0-
TITLE: Database Management Algorithm for Advanced BMD Applications

Author(s): Lan, M.T.; Leung, K.K.; An, J.M.
Date: 04/01/85   Pages:114   Report #: CSD-850018
Corp. Author: UCLA, Computer Science Dept., 405 Hilgard Ave., Los Angeles,
         CA 90024
Index Terms: Concurrency Database Algorithm Communication Graph Protocal
         BMD Feasibility Allocation

Accession #:U01546   AD #: -0-
TITLE: Programming With The Conversion Rules Description Language, CDRL

Author(s): Sullivan, K.M.; de Maine, A.D.
Date: 07/01/88   Pages:100   Report #: BMDTPLM-S07
Corp. Author: Dept. of Computer Science & Engineering, Auburn Univ., AL
         36849
Index Terms: Conversion Scan Fortran Language Architecture Byte Translation

Accession #:U01547   AD #: -0-
TITLE: Ground-Based Radar-Experimental (GBR-X)

Author(s): -0-
Date: 03/30/88   Pages:450   Report #: SW-S-10-87
Corp. Author: U.S. Army Strategic Defense Command, Huntsville, AL 35807

Index Terms: Integration Discrimination Simulation Software Security
         Development Architecture

Accession #:U01548   AD #: -0-
TITLE: Pratical Statistical Analysis for the Reliability Engineer

Author(s): Dey, K.A.
Date: 03/01/83   Pages:180   Report #: SOAR-2
Corp. Author: IIT Research Inst., Reliability Analysis Cntr., Griffis AFB,
         NY 13441
Index Terms: Data Analysis Parametric Regression Analogy Curve Binomial
         Application Histogram Tabulation

Accession #:U01549   AD #: -O-
TITLE: A Primer for DoD Reliability, Maintainability and Safety Standards

Author(s): -O-
Date: 03/02/88   Pages:210   Report #: PRIM-1
Corp. Author: RAC, P.O. Box 4700, Rome, NY 13440-8200

Index Terms: Safety Production Microelectronic Development Analysis
             Military Application Thermal Hybird Design Semiconductor

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Accession #:U01550   AD #: -O-
TITLE: SDI And Disturbed Systems

Author(s): -O-
Date: 04/15/86   Pages:65   Report #: E-11157U
Corp. Author: Dynamic Research Corporation, Wilimington, MA

Index Terms: Ballistic Missile Threat Countermeasure Sensor Computation
             Target Allocation Satellite Warhead Booster Radiation

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Accession #:U01551   AD #: -O-
TITLE: Test-Bed Support For Fault-Tolerant Computer Evaluation

Author(s): Lala, J.H., et al
Date: 09/01/86   Pages:058   Report #: CSDL-R-1900
Corp. Author: The Charles Stark Draper Lab Inc., 555 Technology Square,
             Bedford, MA 02139
Index Terms: BM/C3 Weapon Computation Evaluation ASDC Architecture Network
             Taxonomy Topology Application Radiation Reduction Attack

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Accession #:U01552   AD #: -O-
TITLE: Japanese Technology Evaluation Program (JTECH): Panel Report On
       Advanced Computing In Japan
Author(s): Denicoff, M.; Goguen, J., et al
Date: 12/01/87   Pages:65   Report #: -O-
Corp. Author: SAIC, 1710 Goodridge Drive, McLean, VA 22102

Index Terms: Research Technology Communication Error Computer Military
             Reduction Database

Accession #:U01553   AD #: -O-
TITLE: Preliminary Report On The Formal Analysis Of The Draper FTP Hardware
       And Software Using ITP
Author(s): Chisolm, G.H.; Kijaich, J., et al
Date: 09/01/85   Pages:021   Report #: ANL/MCS-TM-59
Corp. Author: Argonne National Laboratory, University of Chicago

Index Terms: Communication Software Application Transition Flow Data
             Feasibility Sensor Tolerance

Accession #:U01554   AD #: -O-
TITLE: SDIO Communications Workshop Briefing

Author(s): Young, S.Y.; Janiski, T.; Murphy, S.
Date: 10/01/86   Pages:040   Report #: -O-
Corp. Author: Ford Aerospace & Communications Corporation

Index Terms: Assessment Architecture Communication Performance Model
             Network Midcourse Battle ICBM Space Frequency Weather

Accession #:U01555   AD #: -0-
TITLE: Vertically Partitioned Object-Oriented Sys. Architecture for
       Reliable, High Performance Parallel Dist. Systems
Author(s): Browne, J.C.
Date: 08/19/86   Pages:014   Report #: -0-
Corp. Author: Univ. of Texas at Austin, Dept. of Computer Science, Austin,
              TX 78712
Index Terms: Database Management Detection Atomicity Computation
             Architecture Application Formulation

Accession #:U01556   AD #: -0-
TITLE: A Performance Model Of A Fault-Tolerant Distributed System For
       Evaluation Reliability Mechanisms
Author(s): Browne, J.C.
Date: -0-   Pages:0016   Report #: -0-
Corp. Author: Information Research Associates, Austin, Texas 78712

Index Terms: Simulation Protocol Failure Communication Node Transmission
             Degradation Storage Concurrency

Accession #:U01557   AD #: -0-
TITLE: Formal Verification of Properties of Digital Systems Using an
       Automated Reasoning System
Author(s): Kijiach, J.; Wojcik, A.S.; Smith, B.T.
Date: -0-   Pages:021   Report #: -0-
Corp. Author: Office of Energy Research, U.S. Dept. of Energy

Index Terms: Connection Template Circuit Topology Automation Analysis
             Tolerance Isolation Sensor Application

Accession #:U01558   AD #: -0-
TITLE: Zeus: An Object-Oriented Distributed Operating System For Reliable
       Applications
Author(s): Browne, J.C.; Dutton, J.E., et al
Date: 10/25/83   Pages:030   Report #: -0-
Corp. Author: Information Research Associates, Austin, TX 78705

Index Terms: Simulation Linguistic Atomic Capability Hostile Command
             Control Node Execution Database

Accession #:U01559   AD #: -0-
TITLE: Design for Integrity on a new Mulitprocessor Systems Architecture

Author(s): Manning, B.W.
Date: -0-   Pages:026   Report #: BWM 3-87
Corp. Author: UNYSIS, St. Paul, "

Index Terms: Memory Detection Reconfiguration Isolation Synchronization
             Logic Error Node Control Tolerance

Accession #:U01560   AD #: -0-
TITLE: The Scattered Decomposition for Finite Elements

Author(s): Otto, S.; Morison, R.
Date: 05/19/85   Pages:80   Report #: -0-
Corp. Author: Caltech Concurrent Computer Group, Pasadena, CA 91125

Index Terms: Integration Data Lattice Decomposition Algorithm Communication
             Theory Imbalance Calculation Development

Accession #:U01561   AD #: -0-
TITLE: BM/C3 Working Group Minutes

Author(s): -0-
Date: 10/17/86   Pages:080   Report #: -0-
Corp. Author: Rome Air Development Center

Index Terms: Software Mutation Acquisition Threat Assessment Memory
             Algorithm Sensor Surveillance ERIS HEDI LEDI Countermeasure

Accession #:U01562   AD #: -0-
TITLE: Concurrent Computation Project: Annual Report 1983-1984 & Recent
        Documentation-Volume II Applications
Author(s): -0-
Date: 02/01/85   Pages:110   Report #: -0-
Corp. Author: Caltech, Pasadena, CA 91125

Index Terms: Componet Computation Processor Configuration Energy Cray Node
             Analysis Communication Algorithm Application

Accession #:U01563   AD #: -0-
TITLE: SDI System Architecture and Key Tradeoff Studies: Final Phase II
        Study Plan
Author(s): -0-
Date: 06/28/85   Pages:035   Report #: 45377-6050-UT-00
Corp. Author: TRW Inc., Electronic & Defense, One Space Park, Renado Beach,
                CA 90278
Index Terms: Countermeasure Threat NTF Threat Methodology Technology Test &
             Evaluation Development Integration Analysis BM/C3 Simulation

Accession #:U01564   AD #: -0-
TITLE: BM/C3 Space-Based Distributed Processing Network Experiment

Author(s): -0-
Date: -0-   Pages:026   Report #: -0-
Corp. Author: Cooperating Space Systems

Index Terms: BM/C3 Warning Radio FEMA DARPA Network Communication Array
             Radio Guidance Antenna Emulation

Accession #:U01565   AD #: -0-
TITLE: The Role IDA/STD Plays in Government - Strategic Defense

Author(s): -0-
Date: -0-   Pages:020   Report #: -0-
Corp. Author: Inst. for Defense Analysis, 1801 N. Beauregard St., Alex., VA
                22209
Index Terms: Sensor Threat Architecture Interface Survivability Command
             Navigation BM/C3 Policy Technology Algorithm

Accession #:U01566   AD #: -0-
TITLE: Defeated by a Maze: The Soviet Economy and Its Defense-Industrial
        Sector
Author(s): Badgett, L.D.
Date: 10/01/88   Pages:73   Report #: RAND/N-2644-NA
Corp. Author: The RAND Corporation, 1700 Main St., P.O. Box 2138, Santa
                Monica, CA 90406
Index Terms: CIA Soviet Union West Control Innovation Economy Theory
             Research Development Empire Superpower Analysis

Accession #:U01567   AD #: -0-
TITLE: NBS Standard Reference Materials Catalog 1988-89

Author(s): Seward, R.W.
Date: 01/01/88   Pages:148   Report #: NBS Pub. 260
Corp. Author: U.S. Department of Commerence, NBS, Gaithersburg, MD 20899

Index Terms: Development Allloy Steel Blast Gases Zinc Simulation X-ray
             Lubrication Oxidation Research Radiation

Accession #:U01568   AD #: -0-
TITLE: The Strategic Defense Initiative

Author(s): -0-
Date: 06/01/85   Pages:004   Report #: SRN 129
Corp. Author: U.S. Dept. of State, Bureau of Public Affairs, Washington,
             D.C.
Index Terms: Deterrence ABM Treaty SDI Aggression Ally Military Reduction
             Soviet Union Nuclear Arms Research

Accession #:U01569   AD #: -0-
TITLE: SDI: A Safer Way to Keep the Peace

Author(s): -0-
Date: 08/06/86   Pages:003   Report #: -0-
Corp. Author: Department of Defense, Washington, D.C.

Index Terms: Military Technology SDI Destruction Retaliation Security
             Compromise Missile Violation Weapon

Accession #:U01570   AD #: -0-
TITLE: Proposed DMS Message Interface: Revision

Author(s): Lysne, M.A..
Date: 09/29/88   Pages:80   Report #: -0-
Corp. Author: SYSCON Corporation, 1050 Thomas Jefferson St., N.W.,
             Washington, D.C. 20007
Index Terms: Sensor Kill Integer Launch Impact Velocity Decoy

Accession #:U01571   AD #: -0-
TITLE: NRL-TSS/CSCI STUBS Common Functions Specification

Author(s): McConagha, P.; Grimm, T.; Chadbourne, C.
Date: -0-   Pages:10   Report #: -0-
Corp. Author: LOCUS, Inc.

Index Terms: Testbed Simulation Integration Development Isolation
             Communication Battle Management

Accession #:U01572   AD #: -0-
TITLE: Specification for TSS Interface Control Documents (TICDs)

Author(s): -0-
Date: 07/25/88   Pages:25   Report #: NRL 5570
Corp. Author: Naval Research Laboratory

Index Terms: Methodology Terminology Documentation Communication Protol
             Integration

Accession #:U01573   AD #: -0-
TITLE: SDI/Tracker Correlator Testbed Design Document: Second Edition

Author(s): -0-
Date: 07/01/88   Pages:40   Report #: -0-
Corp. Author: Ball Systems Engineering Division

Index Terms: Target Matrix Midcourse Development Simulation Launch Sensor
            Error Ratio Velocity Detonation Fire Control

Accession #:U01574   AD #: -0-
TITLE: Testbed Implementation Document: Volume One

Author(s): Erbacher, J.A.
Date: 07/01/88   Pages:160   Report #: R-074-88
Corp. Author: Ball Systems Engineering Division

Index Terms: Distance Logic Data Software Flow Development Node Target
            Velocity Ratio Cluster Sensor Radar

Accession #:U01575   AD #: -0-
TITLE: Research for Adaptive Dist. Network Management System: Algorithm
        Research Report
Author(s): Cain, J.B.; Knoke, P.J., et al
Date: 04/15/88   Pages:39   Report #: -0-
Corp. Author: Harris Government Aerospace Sys. Div., P.O. Box 94000,
                Melborne, FL 32902
Index Terms: Triconnection Algorithm Network Radio SDI Satellite Antenna
            Calculation Topography Isolation

Accession #:U01576   AD #: -0-
TITLE: Research for Adapative Dist. Network Management Sys.: Exploitation
        of Parallelism In Network Management Algorithms
Author(s): Cain, J.B.; Noakes, M.D.; Nieto, J.W., et al
Date: 05/26/88   Pages:40   Report #: -0-
Corp. Author: Harris Government Aerospace Sys. Div., P.O. Box 94000,
                Melborne, FL 32902
Index Terms: Link Implementation Parallel Traffic Broadcast Evaluation
            Architecture Application Multiprocessor Algorithm

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Accession #:U01577   AD #: -0-
TITLE: Research for Adaptive Dist. Network Management System: Algorithm
        Test Plan And Results
Author(s): Shaikh, M.A.; Knoke, P.J.; Lawandales, E.F.
Date: 04/18/88   Pages:65   Report #: -0-
Corp. Author: Harris Government Aerospace Sys. Div., P.O. Box 94000,
                Melborne, FL 32902
Index Terms: Analysis Node Reduction Survivability Weapon Modular Algorithm
            Test Defense Suppression Battle Simulation

Accession #:U01578   AD #: -0-
TITLE: Research for Adaptive Dist. Network Management Sys.: Harris
        Simulator Document Version 3.0
Author(s): Kryst, T.E.; Knoke, P.J.; Lawandales, E.F.
Date: 04/18/88   Pages:173   Report #: -0-
Corp. Author: Harris Government Aerospace Sys. Div., P.O. Box 94000,
                Melborne, Fl 32902
Index Terms: Architecture Configuration Ballistic Missile Sensor Control
            Algorithm Transmission Node Simulator

Accession #:U01579   AD #: -0-
TITLE: Research for Adaptive Dist. Network Management Sys.: Recommended
         Algorithm Design Changes
Author(s): Cain, J.B.; Knoke, P.J.; Lawandales, E.F.
Date: 05/13/88   Pages:25   Report #: -0-
Corp. Author: Harris Government Aerospace Sys. Div., P.O. Box 94000,
                Melborne, FL 32902
Index Terms: Storage Algorithm Network Link Simulator Evaluation
             Communication Architecture Topology Cluster

Accession #:U01580   AD #: -0-
TITLE: Strategic Defense Initiative (SDI) Program At Oak Ridge

Author(s): Bartine, D.
Date: 06/01/87   Pages:020   Report #: -0-
Corp. Author: Martin Marietta Energy Systems, Inc.

Index Terms: Structure Optics Innovation Technology Space Survivability
             Kinetic Energy Development Beam Application

Accession #:U01581   AD #: -0-
TITLE: System Engineering Document - Volume I (First Revision)

Author(s): -0-
Date: 12/31/87   Pages:65   Report #: -0-
Corp. Author: Applied Technology Assoc., 5510 Cherokee Avenue, Suite 310,
                Alex., VA 22312
Index Terms: Sensor Target Discrimination Metric Perifocal Orbit Plane
             Conversion Threat Infrared Communication Velocity Algorithm

Accession #:U01582   AD #: -0-
TITLE: System Engineering Document - Volume One (Second Revision)

Author(s): -0-
Date: 02/03/88   Pages:120   Report #: -0-
Corp. Author: Applied Technology Assoc., Inc., 5510 Cherokee Ave., Suite
                310, Alex., VA 22312
Index Terms: Satellite Constellation Communication Design Boost Phase Orbit
             Algorithm Error Velocity Radar Motion Threat Sensor

Accession #:U01583   AD #: -0-
TITLE: System Interface Requirements Specifications For The NRL Testbed
         Simulation System
Author(s): -0-
Date: 02/12/88   Pages:134   Report #: -0-
Corp. Author: Applied Technology Assoc., Inc., 5510 Cherokee Ave., Alex.,
                VA 22312
Index Terms: Battle Management Assessment Data Algorithm Control Command
             Kill Allocation Communication Weapon

Accession #:U01584   AD #: -0-
TITLE: Fourth Conference on Artificial Intelligence for Space Applications

Author(s): O'Dell, S.L.; Denton, J.S.; Vereen, M.
Date: 11/16/88   Pages:500   Report #: -0-
Corp. Author: NASA, G.C. Marshall Space Flight Cntr., Al

Index Terms: Analysis Development Architecture Simulation Sensor Theory
             Robot Application Communication Integration

Accession #:U01585   AD #: -0-
TITLE: Local/Global Control Integration

Author(s): Stankovic, J.A.; Townsley, D.; Rommel, C.G., et al
Date: 08/01/88   Pages:284   Report #: -0-
Corp. Author: Univ. of MA, Dept. of Computer & Info. Science, Amherst, MA
                01003
Index Terms: Analysis Algorithm Node Policy Communication Logic Allocation
             Ratio Simulation

Accession #:U01586   AD #: -0-
TITLE: Management Plan for the Multiple Satellite System Program (DRAFT)

Author(s): -0-
Date: 01/31/86   Pages:49   Report #: -0-
Corp. Author: -0-

Index Terms: Phase II Crosslink Architecture Algorithm Protocol
             Communication Simulation Integration Radio Atenna Risk

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Accession #:U01587   AD #: -0-
TITLE: Technical and Management Proposal For The MSS End-To-End Simulation
         Program
Author(s): -0-
Date: 06/17/87   Pages:105   Report #: -0-
Corp. Author: CONTEL, 1300 Quince Orchard Blvd., Gaithesburg, MD 20878

Index Terms: Matrix Simulator Satellite Analysis Configuration Orbit
             Geometry Computation Thermal Telemetry Conversion

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Accession #:U01588   AD #: -0-
TITLE: Multiple Satellite System Program System Performance & Trade-Off
         Study Final Technical Report
Author(s): Bartlett, R.; Blum, D.; Giessler, D., et al
Date: 03/18/87   Pages:205   Report #: 1010003
Corp. Author: SPACECOM, 1300 Quince Orchard Blvd., Gaithesburg, MD 20878

Index Terms: Simulation Network Satellite Development Allocation Capacity
             Electron Integration Control

Accession #:U01589   AD #: -0-
TITLE: Multiple Satellite System Program System Performance & Trade-Off
         Study Final Technical Report
Author(s): Bartlett, R.; Blum, D.; Geissler, D., et al
Date: 04/20/87   Pages:207   Report #: 1010003 REV. B
Corp. Author: SPACECOM, 1300 Quince Orchard Blvd., Gaithesburg, MD 20878

Index Terms: Satellite Communication Milestone Battle Nuclear Degradation
             Radiation Deployment Automation Traceability Transmitter

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Accession #:U01590   AD #: -0-
TITLE: Multiple Satellite System Program System Performance & Trade-Off
         Study Final Technical Report (INTERM)
Author(s): Kumar, N.; Miles, N.; Williams, S., et al
Date: 06/18/86   Pages:103   Report #: 1010002
Corp. Author: SPACECOM, 1300 Quince Orchard Blvd., Gaithesburg, MD 20878

Index Terms: Evaluation Automation Hardware Control Integration
             Architecture Subsystem Communication Technology Task

Accession #:U01591   AD #: -0-
TITLE: A Family Of Starbird Low-Cost Orbital Vehicles

Author(s): -0-
Date: 05/26/87 Pages:115 Report #: SDC TM-3223
Corp. Author: Space Data Corporation, 1333 W. 21st St., Temple, Arizona
    85282
Index Terms: Orbit Probe Trajectory Configuration Launch Propellant Vehicle
    Payload Velocity Gravity Deployment

Accession #:U01592   AD #: -0-
TITLE: ASTRO Report: MSSP - Satellite Integration II Design Plan
  (Preliminary Draft)
Author(s): -0-
Date: 08/30/86 Pages:71 Report #: -0-
Corp. Author: RCA Astro-Electronics

Index Terms: Constellation Configuration Baseline Integration Satellite
    Telemetry Risk Development Phase III Oxygen Radiation

Accession #:U01593   AD #: -0-
TITLE: ACTS Battle Management Communication Experiments

Author(s): -0-
Date: 06/20/86 Pages:37 Report #: -0-
Corp. Author: RCA Aerospace & Defense, ASTRO-Elec. Div., Princeton, NJ

Index Terms: SDIO BM/C Attack Weapon Architecture Detection Destruction
    Surveillance Location Technology Hardware Communication

Accession #:U01594   AD #: -0-
TITLE: ACTS Battle Mamnagement Communication Experiments

Author(s): -0-
Date: 11/14/86 Pages:40 Report #: -0-
Corp. Author: RCA Astro Space Division, P.O. Box 800, Princeton, NJ

Index Terms: SDIO Laser Weapon Automation Detection Surveillance Location
    Hostility Hardware Communication Software

Accession #:U01595   AD #: -0-
TITLE: Advanced Communications Technology Satellite Program

Author(s): Schertler, R.J.
Date: -0- Pages:012 Repor #: -0-
Corp. Author: NASA, Lewis Research Center, 21000 Brookpark Rd., Cleveland,
    OH 44135
Index Terms: Geostation Orbit Technology Threat Satellite Television Beam
    Voice Data Telecommunication Development Baseband

Accession #:U01596   AD #: -0-
TITLE: Multiple Satellite System (MSS) Requirement & Performance Analysis

Author(s): Lehman, J.; Marshall, A.; Cantor, M., et al
Date: 06/13/83 Pages:293 Report #: ESL-TM1632
Corp. Author: ESL Inc., 495 Java Drive, Sunnyvale, CA 94086

Index Terms: Satellite Acquisition Demonstration Antenna Simulation Cell
    Orbit Assembly Hardware Array Architecture Configuration

Accession #:U01597   AD #: -0-
TITLE: Space-Based Laser Phase II Special Study #2 - SBL Space Experiment
        Annex A: Strawman SOW Alpha/Lode/Lamp Technology Program
Author(s): Wright, J.P.
Date: 09/17/85   Pages:013   Report #: SSD 850-0119-2
Corp. Author: Rockwell International, 2600 Westminster Blvd., Seal Beach,
              CA 90740-7644
Index Terms: DEW Integration Development Application Isolation Beacon
             Control Launch Analysis Evaluation Allocation

Accession #:U01598   AD #: -0-
TITLE: Space-Based Laser Phase II Special Study #2 - SBL Space Experiment
        Annex B: Strawman SOW Unconstrained Technology Program
Author(s): Wright, J.P.
Date: 09/17/85   Pages:012   Report #: SSD 850-0119-2
Corp. Author: Rockwell International, 2600 Westminster Blvd., Seal Beach,
              CA 90740-7644
Index Terms: DEW Integration Development Application Isolation Beacon
             Launch Analysis Evaluation Allocation Laser Configuration

Accession #:U01599   AD #: -0-
TITLE: Information Resources Plan

Author(s): -0-
Date: 10/31/88   Pages:140   Report #: -0-
Corp. Author: General Electric Co./Aerospace Bus. Group, SSD, P.O. Box
              8555, Phil., PA 19101
Index Terms: Survey Development Analysis Evolution Architecture
             Communication NTB Army USAF NASA Automation Database

Accession #:U01600   AD #: -0-
TITLE: SDS CALS Implementation Study

Author(s): -0-
Date: 10/31/88   Pages:125   Report #: -0-
Corp. Author: General Electric Co./Aerospace Bus. Group, SSD, P.O. Box
              8555, Phil., PA 19101
Index Terms: Development DoD Architecture Communication NTB USAF NASA
             Integration Methodology Technology

ACCESSION #: UB0137   DATE: 01/01/88

TITLE: Major Defense Systems Producers U.S.A.

AUTHOR(s): Noyes, R.; De Renzo, D.J.
PUBLISHER: Noyes Data Corporation, Mill Road, Park Ridge, New Jersey
           07656

SUBJTERMS: Drone Target Warfare Communication Integration Satellite
           Submarine Aircraft Rotary Countermeasure Missile

ACCESSION #: UB0297   DATE: 01/01/88

TITLE: The Other Side of Arms Control: Soviet Objectives in the
       Gorbachev Era
AUTHOR(s): Sherr, Allen B.
PUBLISHER: Allen & Unwin, 8 Winchester Place, Winchester, MA 01890

SUBJTERMS: Policy Evolution Economic Reform Nuclear INF Treaty Soviet
           Union Baseline World War SDI

ACCESSION #: UB0309   DATE: 01/01/88

TITLE: Nuclear Strategizing: Deterrence and Reality

AUTHOR(s): Cimbala, S.J.
PUBLISHER: Praeger Publishers, One Madison Ave., New York, New York
           10010

SUBJTERMS: Termination War Deterrence Arms Control Policy Missile Theory
           Blitzkrirg Cuba Soviet Union United States Force Threat NATO

ACCESSION #: UB0310   DATE: 01/01/88

TITLE: Strategic Nuclear Targeting

AUTHOR(s): Ball, D.; Richelson, J.
PUBLISHER: Cornell United Press

SUBJTERMS: Nuclear War Development Counterpower Energy Termination C3I
           Antisatellite FEMA Ballistic Missile Attack Reentry Weapon

---

ACCESSION #: UB0311   DATE: 01/01/88

TITLE: Nuclear Crisis: A Dangerous Illusion

AUTHOR(s): Lebow, R.N.
PUBLISHER: Cornell University Press

SUBJTERMS: Control Miscalculation Stability Soviet Union Germany
           Airstrike BMD ICBM Risk Military Radiation U.S. Cuba Balance

ACCESSION #: UB0312   DATE: 01/01/88

TITLE: Jane's Weapons System: 1988 - 1989

AUTHOR(s): Blake, B.
PUBLISHER: Jane's Information Group, 1340 Braddock Pl., Suite 300,
           Alex., VA 22313-2036

SUBJTERMS: Innovation Aircraft Optic Electronic Scope Pakistan
           Communication Radar Technology Alert Defense

ACCESSION #: UB0313   DATE: 01/01/88

TITLE: Compliance and the Future of Arms Control

AUTHOR(s): Duffy, G.; Dalton, G.; State, M.; Sartori, L.
PUBLISHER: Center for International Security and Arms Control, Stanford
           University

SUBJTERMS: Radar PAWS ICBM Nuclear SDI ABM Treaty Soviet Union War
           Balance Conflict Security Erosion Launcher Policy

ACCESSION #: UB0314   DATE: 01/01/88

TITLE: Defense Budget/RDT&E: Fiscal Tear 1988 - 1989

AUTHOR(s): Cahill, N.; Leard, R.E.
PUBLISHER: Carroll Publishing Co., 1058 Thomas Jefferson St., N.W.,
           Washington, D.C. 20007

SUBJTERMS: Congress Support Tactical Mission Intelligence Technology
           Development Communication Defense NSA SDIO

ACCESSION #: UB0315   DATE: 01/01/88

TITLE: Defense Budget/Procurement: Fiscal Year 1988 - 1989

AUTHOR(s): Cahill, N.; Leard, R.E.
PUBLISHER: Carroll Publishing Co., 1058 Thomas Jefferson St., NW
           Washington, D.C. 20007

SUBJTERMS: Aircraft Army Combat Ammunition Production Telecommunication
           Support Missile Electronics Ordnance Weapon Destruction

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ACCESSION #: UB0316   DATE: 01/01/88

TITLE: Defense Organization Service/RDT&E - Army & Air Force

AUTHOR(s): Cahill, N.; Leard, R.E.
PUBLISHER: Carroll Publishing Co., 1058 Thomas Jefferson St., NW
           Washington, D.C. 20007

SUBJTERMS: Technology Development Tactical Communication Intelligence
           Defense Support Vision Training Weapon Automation Missile

ACCESSION #: UB0317   DATE: 01/01/88

TITLE: Defense Organization Service/RDT&E - Navy & Department of Defense

AUTHOR(s): Cahill, N.; Leard, R.E.
PUBLISHER: Carroll Publishing Co., 1058 Thomas Jefferson St., NW
           Washington, D.C. 20007

SUBJTERMS: Airborne Conversion Sonar Threat Marine Corps Submarine C3
           Survivability Technology Radiation Missile Countermeasure War

---

ACCESSION #: UB0323   DATE: 01/01/88

TITLE: Verification and Compliance: A Problem-Solving Approach

AUTHOR(s): Krepon, M.; Umbeager, M.
PUBLISHER: Ballenger Publishing Co., Cambridge, MA

SUBJTERMS: INF Treaty Limitation Compliance U.S. Policy U.S.S.R. Missile
           Warsaw Attack Communication Satellite NSC Delegation