

DTIC FILE COPY

1

DATE Aug. 3, 1989

TO: Information Services Branch

FROM: Computer Products Support Group

Gresham  
(Init)

Kr  
(Init)

LY  
(Init)

RE: DOD/SW/DK-89/021  
(REPORT NO.)

ANNOUNCE IN GRA & I

AD--A212 274

PRIORITY ACTION IS REQUIRED

attached

Form NTIS 231

Form 277/FCPC-01

NTIS 79

RDP (OF 272)

Consigned Inventory Acquisition  
Form (Interagency Agreement  
Number and Split)

Process for:	
K File (Data)	<input type="checkbox"/> Documentation
	<input type="checkbox"/> Mag Tape
	<input type="checkbox"/> Diskette
H File (Software)	<input checked="" type="checkbox"/> Documentation
	<input type="checkbox"/> Mag Tape
	<input checked="" type="checkbox"/> Diskette

DTIC

ELECTE  
AUG 22 1989

S D D

DISTRIBUTION STATEMENT A  
Approved for public release;  
Distribution Unlimited

Action:

Defense Sponsored: Acquire ADA Number

Order Pending. Return immediately after copying necessary pages.

Forward processing pages for documentation to Document Control Section.

Subscription request \_\_\_\_\_ copies

Shelf Stock request \_\_\_\_\_ copies

Regular Processing. Do not send to Document Control Section.

Remarks:

[REDACTED]

89 8 18 001

# COMPUTER DISKETTE FILE PROPERTIES

01. Completion Date <table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="2">Year</th> <th colspan="2">Month</th> <th colspan="2">Day</th> </tr> <tr> <td>8</td><td>9</td> <td>0</td><td>8</td> <td>0</td><td>7</td> </tr> </table>	Year		Month		Day		8	9	0	8	0	7	02. Long Title Subspace Iteration Algorithms in FORTRAN 77 and FORTRAN 8x	03. Short Title Subspace Iter. in FORTRAN 77 and FORTRAN 8x	
Year		Month		Day											
8	9	0	8	0	7										
04. Copying Date <table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="2">Year</th> <th colspan="2">Month</th> <th colspan="2">Day</th> </tr> <tr> <td>8</td><td>9</td> <td>0</td><td>8</td> <td>0</td><td>1</td> </tr> </table>	Year		Month		Day		8	9	0	8	0	1	05. Subscription <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	06. <input checked="" type="checkbox"/> New Product <input type="checkbox"/> Replacement	07. Number of Diskettes  1
Year		Month		Day											
8	9	0	8	0	1										
08. Submitting Organization and Address AFWAL/FIBRA Wright-Patterson AFB, OH 45433-65553		09. Technical Contact(s) and Phone  Nelson Wolf (513) 255-6992													
10. Host Computer/Model  IBM PC or compatible	11. Memory Requirement	12. Language/Format  FORTRAN 77/FORTRAN 8x													
13. Diskette Size <input type="checkbox"/> 3 1/2 <input checked="" type="checkbox"/> 5 1/4 <input type="checkbox"/> Other _____	14. Diskette Capacity <input checked="" type="checkbox"/> 360K <input type="checkbox"/> 1.2M <input type="checkbox"/> 720K <input type="checkbox"/> 1.44M <input type="checkbox"/> 800K <input type="checkbox"/> Other	15. Operating System/Version  MS DOS													
16. Number of Files	17. Number of Records	18. Record Length													
19. Documentation <input checked="" type="checkbox"/> on Diskette (File # _____) <input type="checkbox"/> Paper Copy															
20. Supplemental Information															
21. For Submitting Organization Use															

DELETE NEW REPLACE CORRECTION

NTIS COMPUTER PRODUCTS CATALOG DATA SHEET		1. ACCESSION NO.	2. CONTRIBUTING AGENCY REPORT NO. DOD/SW/DK-89/021	3. SUBJECT
4. PRODUCT (circle one) DATA FILE <u>SOFTWARE</u> MODEL, SIMULATION				
5. AGENCY, BUREAU, DIVISION, AND ADDRESS Flight Dynamics Laboratory Air Force Wright Aeronautical Laboratories Air Force Systems Command Wright-Patterson Air Force Base, Ohio 45433-6553				
6. PRODUCT NAME (Use agency nomenclature) Subspace Iteration Algorithms in FORTRAN 77 and FORTRAN 8x				
7. DESCRIPTORS OF PRODUCT (Keywords, identifiers, etc.) * Eigenvalues, Eigenvectors, Subspace Iteration, Computer Software, Supercomputing, Diskette Software .				
8. DATES OF COVERAGE (For one-time reports, use as-of-date, for software, use date and release no.) February 1988 to December 1988			9. FILE SIZE IN NO. OF: REELS <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> DISKETTES <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
10. AVAILABILITY STATEMENT - AGENCY NAME AND ADDRESS, ORDER NO., ETC. (If NTIS sells, leave blank) No restrictions				
11. PRICE INFORMATION Price Code: DØ1 <i>Includes documentation.</i>				
12. GEOGRAPHIC SCOPE				
13. TECHNICAL REPRESENTATIVES (List at least one for subject and one for media)				
NAME		TITLE		PHONE NO.
Nelson Wolf				(513) 255-6992
14. DOCUMENTATION				
<input checked="" type="checkbox"/> AVAILABLE as:			EXPECTED AVAILABILITY DATE	

NTIS COMPUTER PRODUCTS CATALOG DATA SHEET

15. COMPUTER PRODUCT ABSTRACT

The diskette contains a USA FORTRAN ANSI x3.9-1978 implementation of the Rutishauser-Reinsch subspace iteration algorithm for partial solution of the algebraic eigenvalue problem for a real matrix symmetric relative to a prescribed inner product... Software Description: The program is written in FORTRAN 77 and FORTRAN 8x programming languages for implementation on an IBM/PC or compatible.

Accession for	
NTIS CRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By <u>1 Diskette \$50.00 NTIS</u>	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
<u>A-1</u>	<u>21</u>



16. DATA FILE TECHNICAL DESCRIPTION

The software is contained on 5 1/4-inch diskette(s), double density (360K), compatible with the IBM PC microcomputer. The diskettes are in the ASCII format.

17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in;

Fortran 77 COBOL \_\_\_\_\_ Basic \_\_\_\_\_ Assembly \_\_\_\_\_ Other (Specify) FORTRAN 8x

Software requires;

CPR Mfr. IBM Model(s) PC compatible operating system(s) MS DOS

Minimum of \_\_\_\_\_ K bytes core. The following special features and/or additional requirements in hardware:

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE

SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED

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