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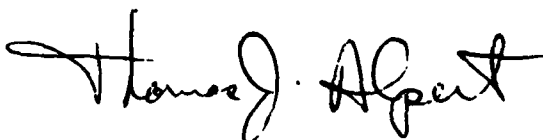
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FOR THE COMMANDER

A handwritten signature in dark ink, reading "Thomas J. Alpert". The signature is fluid and cursive, with the first name "Thomas" and last name "Alpert" clearly legible.

Thomas J. Alpert, Maj., USAF
Chief, ESD Lincoln Laboratory Project Office

FOREWORD

Volume 8 of Unclassified Publications of Lincoln Laboratory lists reports published from 15 December 1979 to 15 December 1981, as well as updated information on earlier publications.

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539	Electro-Optical Tests of CCD Imagers at the GEODSS ETS	D.F. Kostishack C.H. Gylfphe, Jr. M.J. MacDonald N.G.S. Pong	20 Feb. 1980	AD-A088270/4
541	Speech Transformation System (Spectrum and/or Excitation) Without Pitch Extraction	S. Seneff	31 July 1980	AD-A097091/3
542	TACS Central Control Facility	S.B. Storch L.E. Taylor S.N. Landon C.D. Cappello	12 Feb. 1981	AD-A102928/9
543	Precision Standoff Guidance Antenna Accuracy Evaluation	F.H. Irons M.M. Landesberg	18 Feb. 1981	AD-A103063/4
544	The Uniqueness of a Multi-dimensional Sequence in Terms of Its Phase or Magnitude	M.H. Hayes	11 Dec. 1980	AD-A095953/6
545	Biased Results with the Leaving-One-Out Method of Pattern Recognition	L.K. Jones K.H. Wickwire	11 Dec. 1980	AD-A096724/0
547	Discrimination Features and Specifications for Optical Decoys	B.J. Burdick	2 Jan. 1981	AD-A098715/6
549	Measurement Correlation for Multiple Sensor Tracking in a Dense Target Environment	C.B. Chang L.C. Youens	20 Jan. 1981	AD-A098001/1
550	Sampled-Data Receiver Design and Performance for BPSK and MSK Spreading Modulations	E.J. Kelly	19 Jan. 1981	AD-A098000/3
551	Optimal Regulation of Structural Systems with Uncertain Parameters	D.C. Hyland	2 Feb. 1981	AD-A099111/7
552	Linear Filtering Models for Terrain Image Segmentation	C.W. Therrien	4 Feb. 1981	AD-A099034/1

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555	Discrimination and Deployment Requirements for Layered Defense Systems	R.B. Holmes	18 Feb. 1981	AD-A099451/7
556	Frame-Fill Techniques for Reducing Vocoder Data Rates	P.E. Blankenship M.L. Malpass	26 Feb. 1981	AD-A099395/6
557	Resolution of Closely Spaced Optical Targets Using Maximum Likelihood Estimator and Maximum Entropy Method: A Comparison Study	M.J. Tsai	3 Mar. 1981	AD-A100477/9
558	Amorphous-Crystalline Boundary Dynamics in Laser Crystallization	H.J. Zeiger J.C.C. Fan B.J. Palm R.L. Chapman R.P. Gale	25 Aug. 1981	AD-A105811/4
559	A Phase Correction System for Radar Transmitting Tubes	B. Loesch	29 Apr. 1981	AD-A102767/1
560	Automated Phase/Amplitude EHF Measurement System	B.M. Potts	28 May 1981	AD-A103547/6
562	Analysis of Direct Mechanical Stabilization Platform for Antenna Stabilization and Control in a Shipboard Environment	M. Taylor	25 Mar. 1981	AD-A100476/1
566	Finite-Sum Expressions for Signal Detection Probabilities	E.J. Kelly	20 May 1981	AD-A102143/5
567	EHF Test-Bed Subharmonic Mixer	M.J. Aghion	14 July 1981	AD-A106156/3
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570	LFP User's Manual (Lincoln FORTRAN Preprocessor) Version 02.01 for MODCOMP Systems	J.H. Cosgrove E.T. Bayliss J.M. Sivak	12 May 1981	AD-A103529/4
574	Statistical Multiplexing of Speech in Hybrid Integrated Networks	T. Bially R. Berger	16 June 1981	AD-A103543/5
576	Practical Aspects of Nonlinear Optimization	R.B. Holmes J.W. Tolleson	19 June 1981	AD-A104858/6
579	Characterization of Power MESFETs at 21 GHz	M.L. Stevens	15 Sept. 1981	AD-A106673/7
580	Radar Propagation at Low Altitudes: A Review and Bibliography	M.L. Meeks	31 July 1981	AD-A103773/8
581	A Comparison of the SAOC with the AGK3 Hemispherical Expansions	L.G. Taff	21 Oct. 1981	AD-A109186/7
584	The Effects of Microphones and Facemasks on LPC Vocoder Performance	E. Singer	25 Sept. 1981	AD-A107908/6
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586	Large-Signal Characterization, Amplifier Design, and Performance of K-Band GaAs MESFETS	C.D. Berglund	11 Dec. 1981	AD-A110873/7
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589	Accuracy of Parameter Estimates for Closely Spaced Optical Targets Using Multiple Detectors	K-P. Dunn	23 Oct. 1981	AD-A109185/9
594	EHF Propagation Through Foliage	A.J. Simmons	23 Dec. 1981	AD-A110888/5

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1980-1, Vol. 1	ANODE: An Analytic Orbit Determination System	R. Sridharan W.P. Seniw	24 June 1980	AD-A090118/1
1980-3	Optimal Properties of the Circular Array for Use as an Adaptive Antenna	J.T. Mayhan	17 Apr. 1980	AD-A088592/1
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1980-20	CAD: A Code for the Calculation of Atmospheric Density	W.L. Oliver	2 Apr. 1980	AD-A087447/9
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1980-37	A New Algorithm for Two-Dimensional Maximum Entropy Power Spectrum Estimation	J.S. Lim N.A. Malik	7 Aug. 1980	AD-A092128/8
1980-39	Design and Development of a Seismic Data Center	M.A. Chinnery A.G. Gann	11 Aug. 1980	AD-A091621/3
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4911	The Use of Angles and Angular Rates. II. Multiple Observation Initial Orbit Determination	L.G. Taff D.L. Hall	Celes. Mech. 21, 281 (1980), DTIC AD-A091874/8
4915	Unidimensionally Scanned Phased Arrays	G.N. Tsandoulas	IEEE Trans. Antennas Propag. <i>AP-28</i> , 86 (1980), DTIC AD-A090066/2
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4925	A Technique for Adaptive Voice Flow Control in Integrated Packet Networks	T. Bially B. Gold S. Seneff	IEEE Trans. Commun. <i>COM-28</i> , 325 (1980), DTIC AD-A090067/0
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