



Serving the International Linear Algebra Community

Issue Number 26, pp. 1–32, April 2001

Editor-in-Chief: George P. H. STYAN
styan@total.net, styan@together.net

Dept. of Mathematics & Statistics, McGill University
805 ouest, rue Sherbrooke Street West
Montréal, Québec, Canada H3A 2K6

Hans Joachim WERNER: *Editor-in-Chief*
werner@united.econ.uni-bonn.de

Institute for Econometrics and Operations Research
Econometrics Unit, University of Bonn
Adenauerallee 24-42, D-53113 Bonn, Germany

Associate Editors: S. W. DRURY, Stephen J. KIRKLAND, Steven J. LEON,
Chi-Kwong Li, Simo PUNTANEN, Peter ŠEMRL, and Fuzhen ZHANG.

Copy Editor: Evelyn Matheson STYAN
Editorial Assistant: Krisztina FILEP

Previous Editors-in-Chief: Robert C. THOMPSON (1988–1989); Steven J. LEON & Robert C. THOMPSON (1989–1993),
Steven J. LEON (1993–1994); Steven J. LEON & George P. H. STYAN (1994–1997); George P. H. STYAN (1997–2000).

Tribute to Danny Hershkowitz (Richard A. Brualdi)	32
ILAS President/Vice Presidents' Annual Report: April 2001 (Richard A. Brualdi, Danny Hershkowitz & Roger A. Horn)	30
ILAS Treasurer's Report: March 1, 2000–February 28, 2001 (Jeffrey L. Stuart)	27
Some New Books	32
The Sinister Ex-Rector (R. William Farebrother)	32

IMAGE Problem Corner: Old Problems with Solutions

25-1: Moore–Penrose Inverse of a Skew-Symmetric Matrix	2
25-2: Vandermonde Matrices with Condition Number 1	4
25-3: Linear Functions on Similarity Orbits of Complex Square Matrices	5
25-4: Two Rank Equalities Associated with Blocks of an Orthogonal Projector	5
25-5: Three Inequalities Involving Moore–Penrose Inverses	9
25-6: Generalized Inverse of a Matrix Product	10
25-7: Hadamard Product of Square Roots of Correlation Matrices	11
25-8: Several Matrix Orderings Involving Matrix Geometric and Arithmetic Means	21

IMAGE Problem Corner: New Problems

26-1: Degenerate Complex Quadratic Forms	24
26-2: Almost Orthogonality of a Skew-Symmetric Matrix	24
26-3: Factorization of Generalized Inverses of Matrix Polynomials	25
26-4: Commutativity of EP Matrices	25
26-5: Convex Matrix Inequalities	25

Workshops and Conferences in Linear Algebra and Matrix Theory

17–19 August 2000: Neuchâtel, Switzerland (Report by J. S. Weston)	13
11–12 September 2000: Toulouse, France (Report by Valérie Frayssé & Elisabeth Traviesas via Iain S. Duff)	14
26 November–1 December 2000: Oberwolfach, Germany (Report by Daniel B. Szyld)	15
9–13 December 2000: Hyderabad, India (Report by Hans Joachim Werner & George P. H. Styan)	18
2–3 August 2001: Voorburg, The Netherlands	19
14–18 August 2002: Shanghai, China	19