



Serving the International Linear Algebra Community

Issue Number 24, pp. 1–32, April 2000

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

Editorial Assistants:

Millie Malde & Evelyn M. Styan

Senior Associate Editors: Steven J. LEON, Chi-Kwong LI, Simo PUNTANEN, Hans Joachim WERNER.

Associate Editors: S. W. DRURY, Stephen J. KIRKLAND, Peter ŠEMRL, Fuzhen ZHANG.

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).

ILAS President/Vice-President's Annual Report: April 2000 (Richard A. Brualdi & Daniel Hershkowitz)	2
Tribute to Jim Weaver (Richard A. Brualdi)	3
Treasurer's Report: 29 February 2000 (James R. Weaver)	20
ELA: The Electronic Journal of Linear Algebra Volumes 1–4 (James R. Weaver)	23
The Infusion of Matrices into Statistics (Shayle R. Searle)	25
MR Lookup—A Reference Tool for Linking (Annette Emerson)	32
Eigenvalues and Less Horrible Words (Hans Schneider)	32
Let us Root for <i>Root</i> (Shayle R. Searle)	32

IMAGE Problem Corner

Problems and Solutions	5
New Problems	
24-1: Rank of a Skew-Symmetric Matrix (S. W. Drury)	16
24-2: Nonnegative Matrix with All Entries Summing to One (S. W. Drury)	16
24-3: A Possible Generalization of Drury's Determinantal Equality (George P. H. Styan)	16
24-4: The Positive Definiteness of a Matrix (Yongge Tian)	16
24-5: Two Products Involving Idempotent Matrices (Yongge Tian)	16
24-6: Rank of a Principal Submatrix (Fuzhen Zhang)	17
24-7: Partitioned Positive Semidefinite Matrices (Fuzhen Zhang)	17
24-8: An Inequality Involving Hadamard Products (Fuzhen Zhang)	17
24-9: Decomposition of Symmetric Matrices (Roman Zmyślony & Götz Trenkler)	17

Linear Algebra Events

May 26–27, 2000: Winnipeg, Manitoba	18
October 23–26, 2000: Raleigh, North Carolina	18
December 9–13, 2000: Hyderabad, India	18