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B Eaves

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Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Management Science and Engineering

Publications

PUBLICATIONS

- **Generating approximate parametric roots of parametric polynomials** *ANNALS OF OPERATIONS RESEARCH*
  Eaves, B. C., Rothblum, U. G.
  2016; 241 (1-2): 515-573
- **An Exact Correspondence of Linear Problems and Randomizing Linear Algorithms** *MATHEMATICS OF OPERATIONS RESEARCH*
  Eaves, B. C., Rothblum, U. G.
  2014; 39 (3): 607-623
- **Maximum-Stopping-Value Policies in Finite Markov Population Decision Chains** *MATHEMATICS OF OPERATIONS RESEARCH*
  Eaves, B. C., Veinott, A. F.
  2014; 39 (3): 597-606
- **The mean, number-in-system vector range for multiclass queueing networks** *MATHEMATICS OF OPERATIONS RESEARCH*
  Eaves, B. C., Glynn, P. W., Rothblum, U. G.
  2004; 29 (1): 182-190
- **Underground planning at stillwater mining company** *INTERFACES*
  Carlyle, W. M., Eaves, B. C.
  2001; 31 (4): 50-60
- **Measuring conformability of probabilities** *STATISTICS & PROBABILITY LETTERS*
  Bravata, D. M., Cottle, R. W., Eaves, B. C., Olkin, I.
  2001; 52 (3): 321-327
- **General equilibrium models and homotopy methods** *JOURNAL OF ECONOMIC DYNAMICS & CONTROL*
  Eaves, B. C., Schmedders, K.
  1999; 23 (9-10): 1249-1279
- **Arithmetic continuation of regular roots of formal parametric polynomial systems** *COMPUTATIONAL OPTIMIZATION AND APPLICATIONS*
  Eaves, B. C., Rothblum, U. G.
  1999; 12 (1-3): 189-205
- **A cellation of the Grassmann manifold** *MATHEMATICAL PROGRAMMING*
  Eaves, B. C., Schmedders, K. H.
  1998; 83 (2): 253-262
- **Learning the practice of operations research** *INTERFACES*
  Eaves, B. C.
  1997; 27 (5): 104-115

- **Computing zeros of sections of vector bundles using homotopies and relocalization** *MATHEMATICS OF OPERATIONS RESEARCH*
  Brown, D. J., Demarzo, P. M., Eaves, B. C.
  1996; 21 (1): 26-43
- **Computing equilibria of GEI by relocalization on a Grassmann manifold** *JOURNAL OF MATHEMATICAL ECONOMICS*
  Demarzo, P. M., Eaves, B. C.
  1996; 26 (4): 479-497
- **Computing equilibria when asset markets are incomplete** *ECONOMETRICA*
  Brown, D. J., Demarzo, P. M., Eaves, B. C.
  1996; 64 (1): 1-27
- **Linear problems and linear algorithms** *JOURNAL OF SYMBOLIC COMPUTATION*
  Eaves, B. C., Rothblum, U. G.
  1995; 20 (2): 207-214
- **PERRON-FROBENIUS THEORY OVER REAL CLOSED FIELDS AND FRACTIONAL POWER-SERIES EXPANSIONS** *International Workshop on Nonnegative Matrices, Applications and Generalizations*
  Eaves, B. C., Rothblum, U. G., Schneider, H.
  ELSEVIER SCIENCE INC.1995: 123–150
- **FORMULATION OF LINEAR-PROBLEMS AND SOLUTION BY A UNIVERSAL MACHINE** *MATHEMATICAL PROGRAMMING*
  Eaves, B. C., Rothblum, U. G.
  1994; 65 (3): 263-309
- **PIVOTING TO NORMALIZE A BASIC MATRIX** *MATHEMATICAL PROGRAMMING*
  Eaves, B. C.
  1993; 62 (3): 553-556
- **A CLASS OF ONTO MULTIFUNCTIONS** *MATHEMATICAL PROGRAMMING*
  Eaves, B. C., Rothblum, U. G.
  1993; 61 (3): 327-343
- **DINES-FOURIER-MOTZKIN QUANTIFIER ELIMINATION AND AN APPLICATION OF CORRESPONDING TRANSFER PRINCIPLES OVER ORDERED FIELDS** *MATHEMATICAL PROGRAMMING*
  Eaves, B. C., Rothblum, U. G.
  1992; 53 (3): 307-321
- **LINEAR-PROGRAMMING WITH SPHERES AND HEMISPHERES OF OBJECTIVE VECTORS** *MATHEMATICAL PROGRAMMING*
  Eaves, B. C., Hoffman, A. J., Hu, H.
  1991; 51 (1): 1-16
- **DEFORMING SUBDIVISIONS** *MATHEMATICAL PROGRAMMING*
  Eaves, B. C.
  1990; 48 (3): 359-367
- **RELATIONSHIPS OF PROPERTIES OF PIECEWISE AFFINE MAPS OVER ORDERED FIELDS** *LINEAR ALGEBRA AND ITS APPLICATIONS*
  Eaves, B. C., Rothblum, U. G.
  1990; 132: 1-63
- **A THEORY ON EXTENDING ALGORITHMS FOR PARAMETRIC PROBLEMS** *MATHEMATICS OF OPERATIONS RESEARCH*
  Eaves, B. C., Rothblum, U. G.
  1989; 14 (3): 502-533
- **A CONTINUOUS-TIME AVERAGE-COST FLEXIBLE MANUFACTURING AND OPERATOR SCHEDULING MODEL SOLVED BY DECONVEXIFICATION OVER TIME** *LINEAR ALGEBRA AND ITS APPLICATIONS*
  Eaves, B. C., Rothblum, U. G.
  1989; 114: 417-428
- **INVARIANT POLYNOMIAL CURVES OF PIECEWISE LINEAR-MAPS** *SIAM JOURNAL ON CONTROL AND OPTIMIZATION*

Eaves, B. C., Rothblum, U. G.
1988; 26 (2): 401-416

- **A DISCRETE-TIME AVERAGE COST FLEXIBLE MANUFACTURING AND OPERATOR SCHEDULING MODEL SOLVED BY DECONVEXIFICATION OVER TIME** *OPERATIONS RESEARCH*
  Eaves, B. C., Rothblum, U. G.
  1988; 36 (2): 242-257
- **A VARIABLE-RATE REFINING TRIANGULATION** *MATHEMATICAL PROGRAMMING*
  BROADIE, M. N., Eaves, B. C.
  1987; 38 (2): 161-202
- **LINE-SUM-SYMMETRICAL SCALINGS OF SQUARE NONNEGATIVE MATRICES** *MATHEMATICAL PROGRAMMING STUDY*
  Eaves, B. C., Hoffman, A. J., Rothblum, U. G., Schneider, H.
  1985; 25: 124-141
- **FINITE SOLUTION OF PURE TRADE MARKETS WITH COBB-DOUGLAS UTILITIES** *MATHEMATICAL PROGRAMMING STUDY*
  Eaves, B. C.
  1985; 23 (OCT): 226-239
- **A DECOMPOSITION AND SCALING-INEQUALITY FOR LINE-SUM-SYMMETRIC NONNEGATIVE MATRICES** *SIAM JOURNAL ON ALGEBRAIC AND DISCRETE METHODS*
  Dantzig, G. B., Eaves, B. C., Rothblum, U. G.
  1985; 6 (2): 237-241
- **A COURSE IN TRIANGULATIONS FOR SOLVING EQUATIONS WITH DEFORMATIONS** *LECTURE NOTES IN ECONOMICS AND MATHEMATICAL SYSTEMS*
  Eaves, B. C.
  1984; 234: U1-?
- **EQUIVALENCE OF SURFACE-DENSITY AND AVERAGE DIRECTIONAL DENSITY** *MATHEMATICS OF OPERATIONS RESEARCH*
  Eaves, B. C., Yorke, J. A.
  1984; 9 (3): 363-375
- **SUBDIVISIONS FROM PRIMAL AND DUAL CONES AND POLYTOPES** *LINEAR ALGEBRA AND ITS APPLICATIONS*
  Eaves, B. C.
  1984; 62 (NOV): 277-285
- **PERMUTATION CONGRUENT TRANSFORMATIONS OF THE FREUDENTHAL TRIANGULATION WITH MINIMUM SURFACE-DENSITY** *MATHEMATICAL PROGRAMMING*
  Eaves, B. C.
  1984; 29 (1): 77-99
- **OPTIMAL-SCALING OF BALLS AND POLYHEDRA** *MATHEMATICAL PROGRAMMING*
  Eaves, B. C., Freund, R. M.
  1982; 23 (2): 138-147
- **EQUIVALENCE OF LCP AND PLS** *MATHEMATICS OF OPERATIONS RESEARCH*
  Eaves, B. C., LEMKE, C. E.
  1981; 6 (4): 475-484
- **ALGORITHM FOR A PIECEWISE LINEAR-MODEL OF TRADE AND PRODUCTION WITH NEGATIVE PRICES AND BANKRUPTCY** *MATHEMATICAL PROGRAMMING*
  Dantzig, G. B., Eaves, B. C., Gale, D.
  1979; 16 (2): 190-209
- **COMPUTING STATIONARY POINTS** *MATHEMATICAL PROGRAMMING STUDY*
  Eaves, B. C.
  1978; 7 (FEB): 1-14
- **POLYMATRIX GAMES WITH JOINT CONSTRAINTS** *SIAM JOURNAL ON APPLIED MATHEMATICS*

Eaves, B. C.
1973; 24 (3): 418-423