

PETER L. HAMMER

List of Publications

BOOKS:

Pseudo-Boolean Programming and Applications. Lecture Notes in Mathematics, Vol. 9, Springer-Verlag, Berlin/Heidelberg/New York, 1965, 50 pages.

Boolean Techniques for Bivalent Programming (with S. Rudeanu). Lecture Notes in Mathematics, Vol. 23, Springer-Verlag, Berlin/Heidelberg/New York, 1966, 120 pages.

Boolean Methods in Operations Research and Related Areas (with S. Rudeanu). Springer-Verlag, Berlin/Heidelberg/New York, 1968, 330 pages. Edition française: Dunod, Paris, 1970.

Boolean Models and Methods in Mathematics, Computer Science and Engineering (eds: Y. Crama and Peter L. Hammer). Cambridge University Press, New York, NY, 2010, 759 pages.

Boolean Functions: Theory, Algorithms and Applications (with Y. Crama). Cambridge University Press, New York, NY, 2011, 675 pages.

FORTHCOMING BOOKS:

Boolean Functions in Pure and Applied Mathematics (with Y. Crama). Cambridge University Press, forthcoming 2012.

Pseudo-Boolean Functions (with E. Boros and Y. Crama). Cambridge University Press, forthcoming 2012.

EDITED VOLUMES:

Mathematical Programming in Theory and Practice (Editor, with G. Zoutendijk). North-Holland Publishing Co., Amsterdam, 1974, 480 pages.

Studies in Integer Programming (Editor with E. L. Johnson, B. Korte and G. Nemhauser). North-Holland Publishing Co., Amsterdam, 1977, 562 pages.

Discrete Optimization I - II (Editor with E. L. Johnson and B. Korte). North-Holland Publishing Co., Amsterdam, 1979, 299 & 453 pages resp.

Horn Logic, Search and Satisfiability. Annals of Mathematics and Artificial Intelligence, Volume 1, 1990 (Editor with M. Golumbic, P. Hansen and T. Ibaraki). J.C. Baltzer Scientific Publishing Co., Switzerland, 372 pages.

Boolean Functions. Discrete Applied Mathematics, Volumes 96-97, 1999 (Editor with E. Boros), Elsevier Publishing, Amsterdam, 236 pages.

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Contributions to Discrete Optimization. Discrete Applied Mathematics, Volume 124, 2002 (Editor with E. Boros), Elsevier Publishing, Amsterdam, 142 pages.

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Discrete Mathematics & Data Mining. Discrete Applied Mathematics, Volume 144, 2004 (Editor with M. Anthony, E. Boros, and A. Kogan). Elsevier Publishing, Amsterdam, 227 pages.

Boolean and Pseudo-Boolean Functions. Discrete Applied Mathematics, Volume 149, 2005. Elsevier Publishing, Amsterdam, 218 pages.

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PUBLISHED PAPERS

1. Groups with Finite Classes of Conjugate Elements. Diploma Work. (Appro= M.Sc. Thesis). University of Bucharest, Dept. of Mathematics and Mechanics, 1958.
2. Infinite Rings with Finite Factorizations. Com. Acad. RPR, 9, 1959, 233-235.
3. Mathematics and the Planning of Transportations. Probl. Automatica, 2, 1960, 47-55 (with E. Balas).
4. Linear Programming and Transportation. Rev. Statistica, 9, 1960, No. 7, 43-61 (with E. Balas).
5. Transportation Problems with Related Centres. Stud. Cerc. Matem., 11, 1960, No. 2, 439-450 (with E. Balas).
6. Applications of Mathematics to Economics. Gazeta Matem-Fiz, Ser. A, 12 (65), 1960, No. 11, 569-576.
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8. Optimization of the Development Plan of an Industry. Probl. Automatica, 3, 1961, 25-34 (with E. Balas).
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11. A Method for Solving Transportation Problems. Com. Acad. RPR, 11, 1961, No. 9, 1047-1049 (with E. Balas).
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13. Semilinear Spaces. Com. Acad. RPR, 12, 1962, No. 12, 1267-1272 (with G. Godini).
14. On the Egervary Method for Solving Transportation Problems. II. Stud. Cerc. Matem., 14, 1963, No. 1, 59-67 (with S. Rudeanu).
15. Stability of the Optimal Solutions of Transportation Problems with Variable Costs. Com. Acad. RPR, 13, 1963, No. 3, 249-251 (with E. Balas).
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17. On the Minimization of Pseudo-Boolean Functions. Stud. Cerc. Matem., 14, 1963, No. 3, 359-364 (with I. Rosenberg and S. Rudeanu).
18. Applications of Boolean Algebra to Economics. Stud. Cerc. Matem., 17, 1965, No. 4, 583-598.
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- 56a. Communication on "The Bottleneck Transportation Problem" and "Some Remarks on the Time Transportation Problem". Naval Research Logistics Quarterly, 18, 1971, No. 4, 487-490.
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