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## Resume of Gordon Hoover Bradley, 1973

Bradley, Gordon Hoover

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## RESUME OF GORDON HOOVER BRADLEY

Gordon H. Bradley was born in Altoona, Pennsylvania, on 5 March 1940. He received the degree of Bachelor of Science in Mechanical Engineering from Lehigh University in June 1962.

Graduate study continued at Lehigh where he received the degree of Master of Science in Industrial Engineering in June 1964, and at Northwestern University where he received the degree of Doctor of Philosophy in August 1967. His research was on mathematical programming.

Supported by a National Science Foundation Postdoctoral Fellowship, he did postdoctoral work at Stanford from August 1967 to August 1968. His research was on integer programming. His Advisor was George B. Dantzig.



He was on the faculty of Yale University from 1968 to 1973 where he taught administrative sciences and computer science.

He received a National Science Foundation International Travel Grant in June 1969. He was Travelers Insurance Company Summer Faculty Fellow in 1971. He was visiting researcher Centre de Recherches Mathematiques, Universite de Montreal, in June 1972. He was principal investigator on National Science Foundation grant "Integer Linear Programming: Theory and Computation" at Yale University from January 1972 to September 1973.

In September 1973 he joined the faculty of the Naval Postgraduate School where he is teaching in the Department of Operations Research. His research interests are the theoretical and computational aspects of optimization.

He is a member of the Operations Research Society of America, the Institute of Management Science, Society of Industrial and Applied Mathematics, Mathematical Programming Society, American Mathematical Society, Sigma Xi, and Tau Beta Pi.

## PUBLICATIONS OF G. H. BRADLEY

OPEN	LITERATURE Books; published papers, notes, letters.	
1.	Equivalent Integer Programs  O.R. 69, Proc. 5th International O.R. Conference  Tavistock Publications Limited, London, 455-463 (1970)	IP
2.	Algoritm and Bound for the Greatest Common Divisor of n Integers Comm. ACM, 13, 433-436 (1970)	Р
3.	Algorithm 386. Greatest Common Divisor of n Integers and Multipliers Comm. ACM, 13; 445 (1970)	Р
4.	Equivalent Integer Programs and Canonical Problems Management Sci., <u>17</u> , 354-366 (1971)	Р
5.	Algorithms for Hermite and Smith Normal Matrices and Linear Diophantine Equations Math. Computation, 25, 897-908 (1971)	Р
6.	Transformation of Integer Programming Problems to Knapsack Problems Discrete Math. 1, 29-46 (1971)	Р
7.	Heuristic Solution Methods and Transformed Integer Linear Programming Problems Proc. Fifth Annual Princeton Conference on Information Sciences and Systems, 204-209 (1971)	IP
8.	Modulo Optimization Problems and Integer Linear Programming (p.433-451)  In: S. K. Zaremba (Ed.), Applications of Number Theory to Numerical Analysis, Academic Press, 1972	IP
9.	Reduction of Integer Programs to Accelerate a Multiple Choice Programming Algorithm ACM 72 Proc., 1972 Annual Conference of the Association for Computing Machinery, 494-495 (1972)	Ip
10.	An Algorithm for Integer Linear Programming: A Combined Algebraic and Enumeration Approach with Pran N. Wahi Operations Res. 21, 45-60 (1973)	Р

11. Equivalent Mixed Integer Programming Problems
Operations Res. 21, 323-326 (1973)

Publications of G. H. Bradly

12. Trading Rules for a Decentralized Exchange Economy.

in Symposium on the Theory of Scheduling and its
Applications, Springer, 1973, p. 224-241

IP