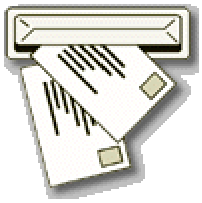
Quadratic 0-1 Bibliography

Due to the large volume of related papers, our bibliography is far from complete

Send me comments and suggestions



Alain.Billionnet@iie.cnam.fr

ADAMS W.P., BILLIONNET A., SUTTER A., *Unconstrained 0-1 optimization and Lagrangean relaxation*. Discrete Applied Mathematics, 29, 1990, 131-142;

ADAMS W.P, DEARING, *On the equivalence between roof duality and Lagrangean for unconstrained 0-1 quadratic programming problems*. Discrete Applied mathematics 48 (1), 1994, 1-20;

ADAMS W. P., JOHNSON T. A., *Improved linear programming-based lower bounds for the quadratic assignment problem*. Proceedings of the DIMACS Workshop on Quadratic Assignment Problems, DIMACS Series in Discrete Mathematics and Theoretical Computer Science, American Mathematical Society, 1994, Vol. 16, 43-75;

ADAMS W.P., LASSITER J.B., SHERALI H.D., *Persistency in 0-1 polynomial programming*. Mathematics of Operations Research 23, 1998, 267-283;

ADAMS W.P., SHERALI H.D., *A tight linearization and an algorithm for zero-one quadratic programming problems*. Management Science, vol.32, n°10, October 1986, pp. 1274-1290;

ALKHAMIS T.M., HASAN M., AHMED M.A., *Simulated annealing for the unconstrained quadratic pseudo-Boolean function*. European Journal of Operational Research, 108(3), 1998, 641-652;

ASANOT., HORI K., ONO T., HIRATA T., *A theoretical framework of hybrid approaches to MAX SAT*. Proc. 8th Ann. Int. Symp. on Algorithms and Computation, Lecture Notes in Comput. Sci. 1350, 1997, Springer-Verlag, 153-162.

BADICS T., *Approximation of some nonlinear binary optimization problems*. PhD. Thesis, RUTCOR, Rutgers University, 1996;

BALAS E., MAZZOLA J.B., *Nonlinear 0-1 programming: I. Linearization techniques*. Mathamatical programming 30, 1984, 1-21;

BALAS E., MAZZOLA J.B., *Nonlinear 0-1 programming: II. Dominance relations and algorithms*. Mathematical programming 30, 1984, 22-45;

BARAHONA F., *A solvable case of quadratic 0-1 programming*. Discrete Applied Mathematics 13, 1986, 23-26;

BARAHONA F., JUNGER M., REINELT G., *Experiments in quadratic 0-1 programming*. Mathematical programming 44, 1989, 127-137;

BEASLEY J.E., *Heuristic algorithms for the unconstrained binary quadratic programming problem*. Technical Report, 1998, Management School, Imperial College, London, UK;

BERTSIMAS D., TEO C-P., VOHRA R., *On dependent randomized rounding algorithms*. Proc. 5th Int. Conf. on Integer Prog. and Combinatorial Optimization, Lecture Notes in Comput. Sci. 1084, 1996, Springer-Verlag, 330-344.

BILLIONNET A., *Un algorithme polynomial pour le placement de tâches à structure arborescente dans un système distribué avec contraintes de charge*. Technique et Science Informatiques 11(1), 1992, 117-137.

A.BILLIONNET, *Maximizing a tree-structured pseudo-Boolean function with a cardinality constraint*, International colloquium on graphs and optimization, Grimentz, Suisse, 23-28 août 1992 ;

BILLIONNET A., *Allocating tree structured programs in a distributed system with uniform communication costs.* IEEE Transactions on Parallel, Distributed Systems, vol.5, n°4, avril 1994, 445-448;

BILLIONNET A., *Mixed integer programming for the 0-1 maximum probability model*. European Journal of Operational Research, 156, 2004, pp. 83-91;

BILLIONNET A., *Different formulations for the heaviest k-subgraph problem*. Rapport Technique CEDRIC No 384, Conservatoire National des Arts et Métiers, Paris, 2002.

BILLIONNET A., CALMELS F., *Linear programming for the 0-1 quadratic knapsack problem*. European Journal of Operational Research, vol. 92, n°2, July 1996, pp. 310-325;

BILLIONNET A., COSTA M.-C., SUTTER A, *Les problèmes de placement dans les systèmes distribués*. Technique et Science Informatiques (TSI), vol.8, n°4, 1989, pp.307-337;

BILLIONNET A., COSTA M.-C., SUTTER A., *An efficient algorithm for a task allocation problem.* Journal of the Association for Computing Machinery, vol.39, n°3, July 1992, pp. 502-518;

BILLIONNET A., DJABALI R., FAYE A., *Lower bounds for the graph bipartitioning problem*. In Optimisation et Decision, Actes de FRANCORO II, Sousse, Tunisie, 1998, 11-23;

BILLIONNET A., ELLOUMI S., *Best reduction of the quadratic semi-assignment problem*. Discrete Applied Mathematics (DAM), vol.109, 2001, pp. 197-213;

BILLIONNET A., ELLOUMI S., *Placement de tâches dans un système distribué et dualité lagrangienne*. Revue d'Automatique, d'Informatique et de Recherche Opérationnelle (R.A.I.R.O.), série verte, vol.26, n°1, 1992, pp. 83-97;

BILLIONNET A., ELLOUMI S., *Solving unconstrained quadratic 0-1 problems by convex relaxations.* Rapport Technique CEDRIC No. 466, Conservatoire national des Arts et Métiers, Paris, 2003;

BILLIONNET A., FAYE A., *A lower bound for a constrained quadratic 0-1 minimization problem.* Discrete Applied Mathematics 74 (1997), pp. 135-146;

BILLIONNET A., FAYE A., SOUTIF E., *A new upper bound for the 0-1 quadratic knapsack problem*. European Journal of Operational Research, vol.112, 1999, pp.664-672;

BILLIONNET A., FAYE A., SOUTIF E., *An exact algorithm for the 0-1 quadratic knapsack problem*, presented at ISMP97, Lausanne, EPFL, August 24-29, 1997;

BILLIONNET A., JAUMARD B., *A decomposition method for minimizing quadratic pseudo-boolean functions.* Operations Research Letters (ORL), 8, 1989, pp.161-163;

BILLIONNET A., MINOUX M., *Maximizing a supermodular pseudoboolean function: a polynomial algorithm for cubic functions.* Discrete Applied Mathematics (DAM), 12, 1985, pp.1-11;

BILLIONNET A., ROUPIN F., *Linear programming to approximate quadratic 0-1 maximization problems*, Southeast ACM Conference, Murfreesboro, USA, Tennessee, 2-4 avril 1997;

BILLIONNET A., ROUPIN F., *Approximation of the heaviest k-subgraph problem using linear programming*. A paraître dans Operations Research Letters;

BILLIONNET A., SOUTIF E., *Using a mixed integer programming tool for solving the 0-1 quadratic knapsack problem*. A paraître dans INFORMS Journal of Computing;

BILLIONNET A., SOUTIF E., *An exact method based on Lagrangian decomposition for the 0-1 quadratic knapsack problem*. A paraître dans European Journal of Operational Research;

BILLIONNET A., SUTTER A., *An efficient algorithm for the 3-Satisfiability problem*. Operations Research Letters (ORL), vol.12, juillet 1992, pp.29-36;

BILLIONNET A., SUTTER A., *Minimization of a quadratic pseudo-Boolean function*. European Journal of Operational Research (EJOR), 78 (1994), pp.106-115;

BILLIONNET A., SUTTER A., *Persistency in quadratic 0-1 optimization*. Mathematical Programming, 54, 1992, pp. 115-119;

BOISSIN N., *Optimisation des fonctions quadratiques en variables bivalentes*. Thèse de Doctorat en informatique, Conservatoire National des Arts et Métiers, Paris, June 1994;

BOROS E., CRAMA Y., HAMMER P.L., *Chvatal cuts and odd cycle inequalities in quadratic 0-1 optimization*. SIAM J. Disc. Math., vol.5 (1992), n°2, pp. 163-177;

BOROS E., CRAMA Y., HAMMER P.L., *Upper bounds for quadratic 0-1 maximization*. Oper. Res. Lett., 9 (1990), pp. 73-79;

BOROS E., HAMMER P.L., *Pseudo-Boolean optimization*. Discrete Applied Mathematics 123, 2002, 155-225;

BOROS E., LARI I., SIMEONE B., *Block linear majorants in quadratic 0-1 optimization*. RUTCOR Research Report 18-2000, Rutgers University, March 2000;

BRUNETA L., CONFORTI M., RINALDI, *A branch and cut algorithm for the equicut problem*. Mathematical Programming, 78, 1997 (2), 243-263;

CAPRARA A., PISINGER D., TOTH P., *Exact Solution of the Quadratic Knapsack Problem*. INFORMS Journal on Computing 11 (1999), 125-137;

CARRARESI P., FARINACCIO F., MALUCELLI F., *Testing optimality for quadratic 0-1 problems*. Mathematical Programming 85A (2), 1999, 407-421;

CARLSON R., NEMHAUSER G., *Clustering to minimize interaction costs*, Operations Research 14, 1966, 52-58 ;

CARTER M.W., *The indefinite zero-one quadratic problem*. Discrete Applied Mathematics 7, 1984, 23-44;

CHAILLOU P., HANSEN P., MAHIEU Y., *Best network flow bound for the quadratic knapsack problem*. Lecture Notes in Mathematics 1403, 1986, pp. 226-235;

CHAKRADHAR S.T., AGRAWAL V.D., BUSHNELL M.L., *Automatic test generation using quadratic 0-1 programming*. Proceedings on 27th ACM/IEEE design automation conference, Orlando, Florida, United States, 654 - 659, 1991;

CHAKRADAR S.T., BUSHNELL M.L., *A solvable class of quadratic 0-1 programming*. Discrete Applied Mathematics 36, 1992, 233-251;

CHANG C.-T., *An efficient linearization approach for mixed integer programs*. European Journal of Operational Research 123 (2000) 652-659;

CHANG C.-T., CHANG C.-C., *A linearization method for mixed 0-1 polynomial programs*. Computers and Operations Research 27 (2000) 1005-1016;

CHARDAIRE P., SUTTER A., *A decomposition method for quadratic zero-one programming*. Management Science 41 (4), 1995, 704-712;

CRAMA Y., *Recognition problems for special classes of polynomials in 0-1 variables*. Mathematical Programming 44 (1989), 139-155;

CRAMA Y., *Concave extensions for nonlinear 0-1 maximization problems*. Mathematical Programming 61 (1993), 53-60;

CRAMA Y., HANSEN P., JAUMARD B., *The basic algorithm for pseudo-boolean programming revisited*. Discrete Applied mathematics 29 (2-3), 1990, 171-185;

CRESCENZ P., SILVESTRI R., TREVISAN L., *To weight or not to weight: Where is the question?* Proc. 4th Israel Symp. on Theory of Computing and Systems, IEEE Computer Society, 1996, 68-77.

DE SIMONE C., *The cut polytope and the boolean quadric polytope*. Discrete Mathematics, 79 (1989), 71-75;

DINKELBACH W., *On nonlinear fractional programming*. Management Science 13 (1967) 492-498;

DJABALI R., *Optimisation non linéaire en variables bivalentes et applications*. Thèse de Doctorat en informatique, Conservatoire National des Arts et Métiers, Paris, 1998;

ELF M., *LP-basierte Schranken fur quadratsche Zuordnungsprobleme mit dunner Zielfunktion*. Master's thesis, Universitat zu Koln (1999);

ELLOUMI S., *Contribution à la résolution des programmes non linéaires en variables 0-1, application aux problèmes de placement de tâches dans les systèmes distribués.* Thèse de Doctorat en informatique, Conservatoire National des Arts et Métiers, Paris, September 1991;

ELLOUMI S., *Contributions à l'optimisation combinatoire*. Mémoire d'Habilitation à Diriger des Recherches, Université Paris 13, juin 2002.

ELLOUMI S., FAYE A., SOUTIF E., *Decomposition and Linearization for 0-1 Quadratic Programming*. Annals of Operations Research 99 (2000) 79-93;

ELLOUMI S., ROUPIN F., SOUTIF E., *Comparison of different lower bounds for the constrained module allocation problem*. Rapport Technique CEDRIC No. 473, Conservatoire National des Arts et Métiers, Paris, 2003, 26p.

FAYE A., *Programmation quadratique en variables bivalentes sous contraintes linéaires. Application au placement de tâches dans les systèmes distribués et à la partition de graphes*. Thèse de Doctorat en informatique, Conservatoire National des Arts et Métiers, Paris, January 1994;

FAYE A., *Programmation quadratique en variables 0-1 sous contraintes linéaires*. Mémoire d'Habilitation à Diriger des Recherches. Université Paris 13, décembre 2003.

FEIGE U., GOEMANS M. X., *Approximating the value of two prover proof systems, with applications to MAX 2SAT and MAX DICUT*. Proc. 3rd Israel Symp. on Theory of Computing and Systems, 1995, IEEE Computer Society, 182-189.

FORTET R., *L'algèbre de Boole et ses applications en recherche opérationnelle*. Cahiers du Centre d'Etudes de Recherche Opérationnelle, 4, 1959, 5-36.

FORTET R., *Applications de l'algèbre de Boole en recherche opérationnelle*. Revue Française d'Automatique, d'Informatique et de Recherche Opérationnelle, 4, 1960, 17-26.

FRIEZE A., YADEGAR J., *On the Quadratic Assignment Problem.* Discrete Applied Mathematics 5 (1983), pp. 89-98;

FRIEZE A., JERRUM M., *Improved approximation algorithms for MAX k-CUT and MAX BISECTION*, Algorithmica 18, 1997, 67-81.

GALLO G., HAMMER P.L., SIMEONE B., *Quadratic knapsack problems*. Mathematical Programming Study 12, 1980, pp. 132-149;

GALLO G., SIMEONE B., *On the supermodular knapsack problem*. Mathematical programming 45, 1998, 295-309;

GALLO G., SIMEONE B., *Optimal grouping of researchers into departments.* Ricerca Operativa, n°57, 1991, pp. 45-69;

GOEMANS M.X. and WILLIAMSON D.P., *Improved approximation algorithms for maximum cut and satisfiability problems using selidefinite programming*. J. ACM, 42 (1995), 1115-1145;

GLOVER F., *Improved linear integer programming formulations of nonlinear integer problems*. Management Science 22 (1975) 455-460;

GLOVER F., ALIDAEE B., REGO C., KOCHENBERGER G.A., *One-pass heuristics for large-scale unconstrained binary quadratic problems*. Rapport de recherche Hearin Center for Enterprise Science, HCES-09-00, 2000, 26p.;

GLOVER F., KOCHENBERGER G.A., ALIDAEE B., *Adaptative memory tabu search for binary quadratic programs*. Management Science, 44(3), 1998, 336-345;

GLOVER F., KOCHENBERGER G.A., *A royal road to combinatorial optimization ?-The 0-1 programming problems*. The 15th Cumberland Conference on Combinatorics, Graph Theory and Computing, University of Mississippi, 16-18 mai 2002;

GLOVER F., WOLSEY E., *Further reduction of zero-one polynomial programs to zero-one linear programming problems*. Operations Research 21 (1973) 156-161;

GLOVER F., WOLSEY E., *Converting a 0-1 polynomial programming problem to a 0-1 linear program.* Operations Research 22 (1974) 180-182;

GOEMANS M. X., Williamson D. P., *Improved approximation algorithms for maximum cut and satisfiability problems using semidefinite programming*. J. ACM 42, 1995, 1115-1145.

GRANOT D., GRANOT F., *On integer and mixed integer fractional programming problems*. in: P.L. Hammer et al. (eds), Annals of Discrete Mathematics 1, North-Holland, Amsterdam, 1977, 221-231;

GRANOT D., GRANOT F., *On solving fractional (0,1) programs by implicit enumeration*. INFOR 14 (1976) 241-249;

GULATI V.P., GUPTA S.K., MITTAL A.K., *Unconstrained quadratic bivalent programming problem.* European Journal of Operational Research 15, 1984, 121-155;

HAMMER P.L., HANSEN P., PARDALOS P.M., RADER D.J. Jr, *Maximizing the product of two linear functions in 0-1 variables*. Optimization 51 (2002), 511-537 ;

HAMMER P.L., HANSEN P., SIMEONE B., *Roof duality, complementation and persistency in quadratic 0-1 optimization*. Math. Programming, 28 (1984), pp. 121-195;

HAMMER P.L., HANSEN P., SIMEONE B., *Upper planes of quadratic 0-1 functions and stability in graphs*. In O.Mangasarian, R.R.Meyer, S.M.Robinson (eds): Nonlinear programming 4, 1981, Academic press, New York, 395-414;

HAMMER P.L., PELED U.N., *On the maximization of a pseudo-boolean function*. Journal of the Association for Computing Machinery 19 (2), 1972, 265-282;

HAMMER P.L., RADER Jr D.J., *Efficient methods for solving Quadratic 0-1 Knapsack Problems*. INFOR 35, No. 3, August 1997, pp. 170-182;

HAMMER P.L., RUBIN A.A., *Some remarks on quadratic programming with 0-1 variables*. RAIRO, vol. 3, 1970, pp. 67-79;

HAMMER P.L., RUDEANU S., *Boolean Methods in Operations Research* (Springer, Berlin, 1968);

HAMMER P.L., *Some network flow problems solved with pseudo-boolean programming*. Operations research 13, 1965, 388-399;

HANSEN P., Un *Algorithme pour les programmes non linéaires en variables zéro-un*. C.R. Acad. Sc. Paris t. 270 (1970) 1700-1702;

HANSEN P., *Pénalités additives pour les programmes en variables zéro-un*. C.R. Acad. Sc. Paris t. 273 (1971) 175-177;

HANSEN P., *Methods of nonlinear 0-1 programming*, Annals of Discrete mathematics 5 (1979) 53-70;

HANSEN P., JAUMARD B., MATHON V., *Constrained nonlinear 0-1 programming*. ORSA Journal on Computing, vol.5, No 2, 1993, 87-118;

HANSEN P., JAUMARD B., MEYER C., *A simple enumerative algorithme for unconstrained 0-1 quadratic programming*. Les cahiers du GERAD, G-2000-59, 2000, Montreal, Canada;

HANSEN P., LU S.H., SIMEONE B., *On the equivalence of paved-duality and standard linearization in nonlinear optimization*. Discrete Appl. Math., 29 (1990), pp. 187-193;

HANSEN P., SIMEONE B., *Unimodular functions*. Discrete Applied Mathematics 14, 1986, 269-281;

HOCHBAUM D.S., (Ed.) *Approximation algorithms for NP-hard problems*. PWS Publishing Company, Boston, 1997.

HARJUNKOSKI, WESTERLUND T., PORN R., SKRIFVARS H., *Different transformations for solving non-convex trim-loss problems by MINLP*. European Journal of Operational Research 105 (3), 1998, 594-603;

HASSIN R., RUBINSTEIN S., TAMIR A., *Approximation algorithms for maximum dispersion*, Oper. Res. Lett. 21, 1997, 133-137;

HELMBERG C., *Fixing Variables in Semidefinite Relaxations*. SIAM Journal on Matrix Analysis and Applications, 2000, Volume 21, Number 3, 952-969;

HELMBERG C., *A cutting plane algorithm for large scale semidefinite relaxations*. Research Report, Konrad-Zuse-Zentrum für Informationstechnik Berlin, October 2001;

HELMBERG C., RENDL F., *Solving quadratic 0-1 problems by semidefinite programs and cutting planes*. Mathematical programming 82, 1998, 291-315;

HENNET J.C., *Comparaison de deux méthodes de résolution d'un problème combinatoire quadratique*. RAIRO Recherche Opérationnelle 17 (3), 1983, 285-295;

IASEMIDIS L.C., PARDALOS P., SACKELLARES J.C., SHIAU D.-S., *Quadratic binary programming and dynamical system approach to determine the predictability of epileptic seizures*. Journal of combinatorial optimization 5, 2001, 9-26 ;

JOHNSON D. S. (1974), *Approximation algorithms for combinatorial problems*. J. Comput. System Sci. 9, 1974, 256-278;

JUNGER M., MARTIN A., REINELT G., WEISMANTEL R., *Quadratic 0/1 Optimization and a Decomposition Approach for the Placement of Electronic Circuits*. Mathematical Programming, 1994, volume 63, 257-279.

KAIBEL V., *Polyhedral Methods for the QAP*. A chapter written for a book on nonlinear assignment problems, edited by Panos Pardalos and Leonidas Pitsoulis, to appear at Kluwer Academic Publishers, (1999). http://www.math.TU-Berlin.de/~kaibel/pub.html;

KALANTARI B., BAGCHI A., *An algorithm for quadratic 0-1 programs*. Naval Research Logistics, 37(4), 1990,527-538;

KARISCH S.E., RENDL F. and CLAUSEN J., *Solving graph bisection problems with semidefinite programming*. To appear in INFORMS J. on Computing;

KIRKPATRICK S., GELATT C.D., VECCHI M.P., *Optimization by simulated annealing*. Science 220 (1983), 671-680.

KONNO H., *Maximizing a convex quadratic function over a hypercube*. Journal of the Operational Research Society of Japan, 23(2), 1980, 171-189 ;

LAUGHUNN D.J., *Quadratic binary programming with application to capital budgeting problems*. Operations Research 18, 1970, 454-461;

Li H.-L., *A global approach for general 0-1 fractional programming*, European Journal of Operational Research 73 (1994) 590-596;

LODI A., ALLEMAND K., LIEBLING T.M., *An evolutionary heuristic for quadratic 0-1 programming*. European Journal of Operational Research 119 (1999) 662-670;

LU S.H., *An improved enumerative algorithm for solving quadratic zero-one programming*. European Journal of Operational Research, 15, 1984, 110-120;

LU S.H., WILLIAMS A.C., *Roof duality for polynomial 0-1 optimization*, Mathematical programming 37, 1987, 357-360;

MERZ P., FREISLEBEN B., *Greedy and Local Search Heuristics for the Unconstrained Binary Quadratic Programming Problem*. To appear in Journal of Heuristics.

MERZ P., FREISLEBEN B., *Genetic Algorithms for Binary Quadratic Programming*. Proceedings of the 1999 International Genetic and Evolutionary Compuation Conference (GECCO'99), Morgan Kauffmann, pp. 417-424, 1999.

MICHELON P., MACULAN N., *Lagrangean decomposition for integer nonlinear programming with linear constraints*. Mathematical programming, 52 (2), 1991, 303-314;

MICHELON P., MACULAN N., *Lagrangean methods for 0-1 quadratic programming*. Discrete Applied Mathematics, 42, 1993, 257-269;

MICHELON P., *Unconstrained nonlinear programming: a non differentiable approach*. Journal of Global Optimization 2, 1992, 155-165;

MICHELON P., VEUILLEUX L., *Lagrangean methods for the 0-1 quadratic knapsack problem*. European Journal of Operational Research, 92, 1996, pp. 326-341;

ORAL M., KETTANI O., “A linearization procedure for quadratic and cubic mixed integer problem” Operations Research 40 (1992) 109-116;

PADBERG M., *The boolean quadric polytope: some characteristics, facets and relatives*. Mathematical programming 45, 1989, 139-172;

PADBERG M.W., RIJAL M.P., *Location, Scheduling, Design and Integer Programming*. Kluwer Academic Publishers (1996);

PALUBEKIS G., *A heuristic-based branch and bound algorithm for unconstrained quadratic 0-1 programming*. Computing 54(4), 1995, 283-301;

PARDALOS P., JHA S., *Complexity of uniqueness and local search in quadratic 0-1 programming*. Operations Research Letters 11, 1992, 119-123;

PARDALOS P., RODGERS G.P., *Computational aspect of a branch and bound algorithm for quadratic 0-1 programming*. Computing 45, 1990, 131-144;

PICARD J.C., QUEYRANNE M., *On the integer-valued variables in the linear vertex packing problem*. Mathematical Programming 12 (1977), 97-101 ;

PICARD J.C., RATLIFF H.D., *Minimum cuts and related problems*. Networks 5, 1975, 357-370;

POLJAK S., RENDL F., WOLKOSWICZ, *A recipe for semidefinite relaxation for 0-1 quadratic programming*. Journal of Global Optimization 7, 1995, 51-73;

POLJAK S., WOLKOWICZ H., *Convex relaxations of 0-1 quadratic programming*, Mathematics of Operations Research No. 3, vol.20, 1995, 550-561;

RADER D.J. Jr., WOEGINGER G.J., *The quadratic 0-1 knapsack problem with series-parallel support*. Operations Research Letters 30(3), 2002, 159-166 ;

RADZIK T., *Fractional combinatorial optimization*. In Handbook of Combinatorial Optimization, Edited by Z.-Z. Du and P.M. Pardalos, Kluwer Academic Publishers (1998) 429-478;

RESENDE M.G.C, RAMAKRISHNAN K.G., DREZNER Z., *Computing lower bounds for the Quadratic assignment problem with an interior point algorithm for linear programming*. Operations Research Vol. 43, n°5, September-October 1995, pp.781-791;

ROSENBERG I.G., Minimisation of pseudo-Boolean functions by binary developpement. Discrete mathematics, 7, 1974, 151-165.

ROUPIN F., *Approximation de programmes quadratiques en 0-1 soumis à des contraintes linéaires*. Application aux problèmes de placement et de partition de graphes. Thèse de Doctorat du Conservatoire National des Arts et Métiers, Spécialité Informatique, .

RHYS J., *A selection problem of shared fixed costs and networks*. Management Science 17 (1970), pp. 200-207;

ROBERT P.D., TERRELL M.P., *An approximation technique for pseudo-boolean maximization problems*. AIIE Transactions 8 (3), 1976, 365-368;

ROSENBERG I.G., *0-1 optimization and nonlinear programming*. RAIRO (série bleue) 2 (1972), 95-97;

ROSENBERG I.G., *Reduction of bivalent maximization to the quadratic case*. Cahier du Centre d’Etudes de Recherche Opérationnelle 17 (1975), 71-74;

SARAN H., Vazirani V., (1991), *Finding k-cuts within twice the optimal*. Proc. 32nd Ann. IEEE Symp. on Foundations of Comput. Sci., IEEE Computer Society, 1991, 743-751.

SIMEONE B., *Quadratic 0-1 programming, Boolean functions and graphs*. PhD. Thesis, 1979, Warterloo;

SIMEONE B., DE WERRA D., COCHAND M., *Recognition of a class of unimodular functions*. Discrete Applied Mathematics 29 (1990) 243-250;

SUTTER A., *Programmation non linéaire en variables 0-1, application à des problèmes de placement de tâches dans des systèmes distribués*. Thèse de Doctorat en informatique, Conservatoire National des Arts et Métiers, Paris, June 1989;

THOAI N.V., *Global optimization technique for solving the general quadratic integer programming problem*. Computational Optimization and Applications, 10(2), 1998, 149-163.

WILLIAMS A.C., *Quadratic 0-1 programming using the roof dual with computational results*. RUTCOR Research Report 8-85, Rutgers University, 1985;

ZVEROVICH I., *Maximization of quadratic posiforms corresponding to 2-paths of a directed multigraph*. Rutcor Research Report 30-2001, 2001.