

Publications

1. M.C.Costa,
C.Picouleau,
D. de Werra

Minimal graphs for matching extensions, Discrete Applied Mathematics xxx (2016)
2. A.Hertz,
V.Lozin,
B.Ries,
V.Zamarev,
D. de Werra

Dominating induced matchings in graphs containing no long claw(submitted)
3. T.Januario,
S.Urrutia,
C.Ribeiro,
D. de Werra

Edge Coloring: A Natural model for Sports Scheduling, European Journal of Operational Research 254 (2016) 1 - 8
4. T.Januario,
S.Urrutia,
D. de Werra

Sports scheduling search space connectivity: A riffle shuffle driven approach, Discrete Applied Mathematics 211 (2016) 113-120
5. K.K.Dabrowski,
D. de Werra,
V.Lozin,
V.Zamarev

Combinatorics and algorithms for augmenting graphs, Graphs and Combinatorics 32 (2016) 1339-1352
6. D. de Werra,
A.Hertz

Chromatic Scheduling, in :Topics in Chromatic Graph Theory (L.W.Beineke,R.J.Wilson,eds) Cambridge Univ. Press, Cambridge (2015) 255 - 276
7. M. Szachniuk,
M.C. De Cola,
G. Felici,
D. de Werra,
J. Blazewicz

Optimal pathway reconstruction on 3D NMR maps, Discrete Applied Mathematics 182 (2015) 134-149
8. M.Demange,
D. de Werra

On some coloring problems in grids, Theoretical Computer Science 472 (2013) 9 - 27
9. C. Bentz,
M.C. Costa,
C. Picouleau,
B. Ries,
D. de Werra

d-Transversals of stable sets and vertex covers in weighted bipartite graphs, Journal of Discrete Algorithms 17 (2012) 95 - 102
10. B.Lévêque,
D.de Werra

Graph transformations preserving the stability number, Discrete Applied Mathematics 160 (2012) 2752 - 2759
11. B.Ries,
D. de Werra,
R.Zenklusen

A note on chromatic properties of threshold graphs, Discrete Mathematics 312 (2012) 1838-1843
12. C.Bentz,
M.C.Costa,
D. de Werra,
C.Picouleau,
B.Ries

Weighted transversals and blockers for some optimization problems in graphs,in: Progress in Combinatorial Optimization (R.Mahjoub, ed.) ISTE-WILEY (London, 2011) pp 203 - 221
13. M.C.Costa,
D. de Werra,
C.Picouleau

Minimum d-blockers and d-transversals in graphs, Journal of Combinatorial Optimization 22 (2011) 857 - 872

Publications

14. T.Ekim,
B.Ries,
D. de Werra

Split-critical and uniquely split-colorable graphs, *Discrete Mathematics and Theoretical Computer Science* 12 (2010) 1 - 24
15. D. de Werra,
M.C. Costa,
C. Picouleau,
B. Ries

On the use of graphs in discrete tomography, *Annals of Operations Research* 175 (2010) 287 - 307
16. T.Kis,
D. de Werra,
W.Kubiak

A projective algorithm for preemptive open shop scheduling with two multiprocessor groups, *Operations Research Letters* 38 (2010) 129 - 132
17. B.Ries,
C.Bentz,
C.Picouleau,
D. de Werra,
M.C.Costa,
R.Zenklusen

Blockers and transversals in some subclasses of bipartite graphs: When caterpillars are dancing on a grid, *Discrete Mathematics* 310 (2010) 132 - 146
18. A.Hertz,
D. de Werra

A Magnetic Procedure for the Stability Number, *Graphs and Combinatorics* 25 (2009) 707 - 716
19. C.Bentz,
M.C.Costa,
C.Picouleau,
B.Ries,
D. de Werra

Degree-constrained edge partitioning in graphs arising from discrete tomography, *Journal of Graph Algorithms and Applications* 13 (2009) 99 - 118
20. R.Zenklusen,
B.Ries,
C.Picouleau,
D. de Werra,
M.C.Costa,
C.Bentz

Blockers and Transversals, *Discrete Mathematics* 309 (2009) 4306 - 4314
21. B.Lévêque,
D. de Werra

Graph transformations preserving the stability number, *Electronic Notes in Discrete Mathematics* 35 (2009) 3 - 8
22. M.C.Costa,
D. de Werra,
C.Picouleau,
B.Ries

Graph coloring with cardinality constraints on the neighborhoods, *Discrete Optimization* 6 (2009) 362 - 369
23. D. de Werra

From L.Euler to D.König, *RAIRO-Operations Research* 43 (2009) 247 - 251
24. D. de Werra,
M.Demange,
B.Escoffier,
J.Monnot,
V.Paschos

Weighted coloring on planar, bipartite and split graphs: Complexity and approximation, *Discrete Applied Mathematics* 157 (2009) 819 - 832
25. Y.L.Orlovich,
V.S.Gordon,
D. de Werra

On the inapproximability of independent domination in 2P3 – free perfect graphs, *Theoretical Computer Science* 410 (2009) 977 - 982

Publications

26. M.Demange,
T.Ekim,
D. de Werra
A tutorial on the use of graph coloring for some problems in robotics,
European Journal of Operational Research 192 (2009) 41-55
27. J.Błazewicz,
M.Kasprzak,
B.Leroy-Beaulieu,
D. de Werra
Finding Hamiltonian circuits in quasi-adjoint graphs, Discrete Applied Mathematics 156 (2008) 2573-2580
28. T.Ekim,
P.Hell,
J.Stacho,
D. de Werra
Polarity of chordal graphs, Discrete Applied Mathematics 156 (2008) 2469-2479
29. T.Ekim,
N.V.R.Mahadev,
D. de Werra
Polar cographs, Discrete Applied Mathematics 156 (2008) 1652-1660
30. A.Geinoz,
T.Ekim,
D. de Werra
Construction of balanced sports schedules using partitions into subleagues,
Operations Research Letters 36 (2008) 279-282
31. M.C.Costa,
D. de Werra,
C.Picouleau,
B.Ries
Addendum to “Bicolored Matchings in Some Classes of Graphs”, Graphs and Combinatorics 24 (2008) 127-128
32. D.deWerra,
M.C.Costa,
C.Picouleau,
B.Ries
On the use of graphs in discrete tomography, 4OR 6 (2008) 101-123
33. C.Bentz,
M.C.Costa,
D. de Werra,
C.Picouleau,
B.Ries
On a graph coloring problem arising from discrete tomography,
Networks 51 (2008) 256 - 267
34. B. Ries,
D. de Werra
On two coloring problems in mixed graphs
European Journal of Combinatorics 29 (2008) 712-725
35. D. de Werra
T. Kis
W. Kubiak
Pre-emptive open shop scheduling with multiprocessors: polynomial cases and applications
Journal of Scheduling 11 (2008) 75-83
36. D. de Werra,
D. Kobler
Colorations et ordonnancement chromatique (chap. 3) in: Graphes et applications (J.C. Fournier, éd.)
Hermès Science-Lavoisier, Paris (2007) 85-127
37. M. Demange,
D. de Werra,
J. Monnot,
V. Paschos
Time slot scheduling of compatible jobs,
Journal of Scheduling 10 (2007) 111-127
38. M.C. Costa,
D. de Werra,
C. Picouleau,
B. Ries
Bicolored Matchings in Some Classes of Graphs,
Graphs and Combinatorics 23 (2007) 47-60

Publications

39. D. de Werra,
P.L. Hammer
Weighted stability number of graphs and weighted satisfiability: the two facets
of pseudo-Boolean optimization,
Annals of Operations Research 149 (2007) 67-73
40. D. de Werra,
D. Kobler
Problèmes de coloration dans les graphes, V. Paschos, éditeur Hermès
Science,
chap. 3, *Optimisation Combinatoire* 5, Paris (2007) 95-141
41. M. Demange,
T. Ekim,
D. de Werra
On the approximation of min split-coloring and min cocompling,
Journal of Graph Algorithms and Applications 10 (2006) 297-315
42. D. de Werra
Good and nice colorings of balanced hypergraphs,
Discrete Mathematics 306 (2006) 2630-2636
43. I.V. Gribkovskaia,
C.Y. Lee,
V.A. Strusevich,
D. de Werra
Three is easy, two is hard: open shop sum-batch scheduling problem refined,
Operations Research Letters 34 (2006) 459-464
44. T. Bornand-Jaccard,
D. Schindl,
D. de Werra
Some simple optimization techniques for self-organized public
key management in mobile ad hoc networks,
Discrete Applied Mathematics 154 (2006) 1223-1235
45. M.C. Costa,
D. de Werra,
C. Picouleau
Using graphs for some discrete tomography problems,
Discrete Applied Mathematics 154 (2006) 35-46
46. I. Blöchliger,
D. de Werra
Locally restricted colorings,
Discrete Applied Mathematics 154 (2006) 158-165
47. D. de Werra,
T. Ekim,
C. Raess
Construction of sports schedules with multiple venues,
Discrete Applied Mathematics 154 (2006) 47-58
48. M. Demange,
T. Ekim,
D. de Werra
(p,k)-coloring problems in line graphs,
Theoretical Computer Science 349 (2005) 462-474
49. T. Ekim,
D. de Werra
On split-coloring problems,
Journal of Combinatorial Optimization 10 (2005) 211-225
50. D. de Werra,
P. Hansen
Variations on the Roy-Gallai Theorem,
4OR 3 (2005) 243-251
51. M.C. Costa,
D. de Werra,
C. Picouleau,
D. Schindl
A solvable case of image reconstruction in discrete tomography,
Discrete Applied Mathematics 148 (2005) 240-245
52. M. Demange,
T. Ekim,
D. de Werra
Partitioning cographs into cliques and stable sets,
Discrete Optimization 2 (2005) 145-153
53. D. de Werra
Hypergraph coloring by bichromatic exchanges in: *Graph Theory and
Combinatorial Optimization* (D. Avis, A. Hertz, O. Marcotte, eds),
Springer Verlag (Berlin 2005) 255-264

Publications

54. D. de Werra Path colorings in bipartite multigraphs,
European Journal of Operational Research 164 (2005) 575-584
55. D. de Werra,
M. Demange,
J. Monnot,
V.T. Paschos A hypocoloring model for batch scheduling,
Discrete Applied Mathematics 146 (2005) 3-26
56. I. Bloechliger,
D. de Werra On some properties of sub optimal colorings,
Networks 43 (2004) 103-108
57. G.Alexe,
P.L.Hammer,
V.V.Lozin,
D.de Werra Struction Revisited, Discrete Applied Mathematics 132 (2004) 27-46
58. E. Burke,
D. de Werra,
J. Kingston Applications to timetabling, *in:* Handbook of Graph Theory,
J.L. Gross, J. Yellen, eds,
CRC Press (London, 2004) 445-474
59. D. de Werra,
M. Demange,
J. Monnot,
V.T. Paschos The Hypocoloring Problem : complexity and approximability results when the
chromatic number is small, *in:* J. Hromovitch, M. Nagl, B. Westfechtel, eds,
WG2004, Lecture Notes in Computer Science 3353,
Springer Verlag (2004) 377-388
60. D. de Werra,
M. Demange,
B. Escoffier,
J. Monnot,
V.T. Paschos Weighted coloring on planar bipartite and split graphs : complexity and
improved approximation, *in :* Algorithms and Computations : 15th
International Symposium ISAAC 2004, Hong Kong, Dec. 2004,
Lecture Notes in Computer Science 3341, Springer Verlag (2004) 896-907
61. D. de Werra Constraints of Availability in Timetabling and Scheduling, *in:* Practice and
Theory of Automated Timetabling IV, (E. Burke, P. de Causmaeker, eds),
Springer Verlag (Berlin, 2003) 3-23
62. D. de Werra,
P. Hansen Using stable sets to bound the chromatic number,
Information Processing Letters 87 (2003) 127-131
63. D. de Werra Variations on the Theorem of Birkhoff-von Neumann and extensions,
Graphs and Combinatorics 19 (2003) 263-278
64. D. de Werra Partitioning the edge set of a bipartite graph into chain packings:
complexity of some variations,
Linear Algebra and its Applications 268 (2003) 315-327
65. D. de Werra,
D. Kobler Colorations de graphes: fondements et applications,
RAIRO Operations Research 37 (2003) 29-66
66. D. de Werra,
C. Eisenbeis,
S. Lelait,
E. Stöhr Circular-arc Graph Coloring: on chords and Circuits in the Meeting Graph,
European Journal of Operational Research 136 (2002) 483-500
67. D. de Werra,
P. Hansen Connectivity, transitivity and chromaticity: the pioneering work of
Bernard Roy in Graph theory *in:* Aiding decisions with multiple criteria,
(D.Bouyssou et al., eds)
Kluwer Academic Publishers (Boston, 2002) 23-42

Publications

68. A.S. Asratian,
D. de Werra
A generalized class-teacher model for some timetabling problems,
European Journal of Operational Research 143 (2002) 531- 542
69. D. de Werra,
A.S. Asratian,
S. Durand
Complexity of some special types of timetabling problems,
Journal of Scheduling 5 (2002) 171-183
70. M. Demange,
D. de Werra,
J. Monnot,
V.T. Paschos
Weighted node coloring: when stable sets are expensive,
Proceedings of WG'02, 28th international workshop on Graph Theoretic
Concepts in Computer Science, Lectures Notes in Computer Science 2573,
Springer Verlag (2002) 114-125
71. D. de Werra,
A. Hertz,
D. Kobler,
N.V.R. Mahadev
Feasible edge colorings of trees with cardinality constraints,
Discrete Mathematics 222 (2000) 61-72
72. D. de Werra
On a multiconstrained model for chromatic scheduling,
Discrete Applied Mathematics 94 (1999) 171-180
73. D. de Werra,
A. Hertz
On Perfectness of Sums of Graphs,
Discrete Mathematics 195 (1999) 93-101
74. D. de Werra,
Ch. Eisenbeis,
S. Lelait,
B. Marmol
On a graph-theoretical model for cyclic register allocation,
Discrete Applied Mathematics 93 (1999) 191-203
75. D. de Werra
Restricted graph coloring: some Mathematical Programming Models,
CRM Proceedings and Lecture Notes 23 (1999) 135-148
76. J. Blazewicz,
A. Hertz,
D. Kobler,
D. de Werra
On some properties of DNA graphs,
Discrete Applied Mathematics 98 (1999) 1-19
77. A. Hertz,
E. Taillard,
D. de Werra
Tabu Search, *in:* Local Search in Combinatorial Optimization,
E. Aarts and J.K. Lenstra, eds,
John Wiley & Sons Ltd. New York, (1997) 121-136
78. D. de Werra
The Combinatorics of Timetabling,
European Journal of Operational Research 96 (1997) 504-513
79. P. Hansen,
J. Kuplinsky,
D. de Werra
Mixed graph colorings,
Mathematical Methods of Operations Research 45 (1997) 145-160
80. D. de Werra
Restricted coloring models for timetabling,
Discrete Mathematics 165/166 (1997) 161-170
81. D. de Werra,
N.V.R. Mahadev
Preassignment requirements in chromatic scheduling,
Discrete Applied Mathematics 76 (1997) 93-101
82. P. Hansen,
D. de Werra
Nesticity, DIMACS Series in Discrete Mathematics and
Theoretical Computer Science 37 (1997) 225-232

Publications

83. J. Blazewicz,
M. Drozdowski,
D. de Werra,
J. Weglarz
Deadline scheduling of multiprocessor tasks,
Discrete Applied Mathematics 65 (1996) 81-95
84. D. de Werra,
J. Erschler
Open Shop Scheduling with some Additional Constraints,
Graphs and Combinatorics 12 (1996) 81-93
85. N.V.R. Mahadev,
U.N. Peled,
D. de Werra,
A.J. Hoffman
Restrictions and Preassignments in Preemptive Open Shop Scheduling,
Discrete Applied Mathematics 68 (1996) 169-188
86. D. de Werra
Extensions of coloring models for scheduling purposes,
European Journal of Operational Research 92 (1996) 474-492
87. D. de Werra
Some Combinatorial Models for Course Scheduling, Lecture Notes in
Computer Science 1153, E. Burke, P. Ross (eds),
Springer-Verlag, (1996) 296-308
88. D. de Werra,
F. Glover,
E.A. Silver
A Chromatic Scheduling Model with Costs,
IIE Transactions 27 (1995) 181-189
89. Ph. Solot,
D. de Werra
Some Graph Coloring Models for Cyclic Scheduling, *in:* Scheduling Theory
and its Applications, (P. Chrétienne, E.G. Coffman Jr., J.K. Lenstra, Z. Liu,
eds) J. Wiley, New York (1995) 227-239
90. D. de Werra,
Y. Gay
Chromatic scheduling and frequency assignment,
Discrete Applied Mathematics 49 (1994) 165-174
91. J. Blazewicz,
M. Drozdowski,
G. Schmidt,
D. de Werra
Scheduling Independent multi processor tasks on a uniform k-processor
system,
Parallel Computing 20 (1994) 15-28
92. A.J.W. Hilton,
D. de Werra
A sufficient condition for equitable edge colorings of simple graphs,
Discrete Mathematics 128 (1994) 179-201
93. M. Hasler,
C. Marthy,
A. Oberlin,
D. de Werra
A discrete model for studying existence and uniqueness of solutions in
nonlinear resistive circuits,
Discrete Applied Mathematics 50 (1994) 169-184
94. D. de Werra,
N.V.R. Mahadev,
Ph. Solot
Scheduling Periodic Jobs Compactly within a fixed time period in open shops,
INFOR 32 (1994) 110-120
95. E. Amaldi,
E. Mayoraz,
D. de Werra
A review of combinatorial problems arising in feedforward neural network
design,
Discrete Applied Math 52 (1994) 111-138
96. O. Cepek,
M. Vlach,
D. de Werra
Nonpreemptive Open Shop with Restricted Processing Times,
Zeitschrift für OR 39 (1994) 227-241

Publications

97. J. Blazewicz,
M. Drozdowski,
G. Schmidt,
D. de Werra Scheduling MultiprocessorTasks on Uniform Processors, *in: Parallel Computing: Trends and Applications*, G.R. Joubert, D. Trystram, F.J. Peters and D.J. Evans (Editors), Elsevier Science B.V. (1994) 249-256
98. D. de Werra On an Optimization Problem occurring in FMSs: a Hypergraph-Theoretical Formulation, *Discrete Applied Mathematics* 55 (1994) 107-111
99. F. Gavril,
V.T. Laredo,
D. de Werra Chordless paths, Odd holes and Kernels in Graphs without m-Obstructions, *Journal of Algorithms* 17 (1994) 207-221
100. N. Dubois,
D. de Werra EPCOT : an Efficient Procedure for Coloring Optimally with Tabu search, *Computers Math. Applic.* 25 (1993) 35-45
101. D. de Werra,
P. Hell,
T. Kameda,
N. Katoh,
Ph. Solot,
M. Yamashita Graph endpoint coloring and distributed processing: A scheduling problem in distributed processing
Networks 23 (1993) 93-98
102. A. Hertz,
D. de Werra On the Stability Number of AH-free Graphs,
Journal of Graph Theory 17 (1993) 53-63
103. N.V.R. Mahadev,
Ph. Solot,
D. de Werra The cyclic compact open-shop scheduling problem,
Discrete Mathematics 111 (1993) 361-366
104. D. de Werra,
J. Blazewicz Addendum - Some preemptive open shop scheduling problems with a renewable or a nonrenewable resource,
Discrete Applied Mathematics 43 (1993) 103-104
105. D. de Werra,
Ph. Solot Some Graph-Theoretical Models for Scheduling in Automated Production Systems, *Networks* 23 (1993) 651-660
106. J.P. Airolidi,
D. de Werra The burrow system of the fossorial form of the water vole (*Arvicola Terrestris* L.) (Mammalia, Rodentia): an approach using graph theoretical methods and simulation models,
Mammalia 57 (1993) 423-433
107. D. de Werra,
N.V.R. Mahadev,
U.N. Peled Edge-Chromatic Scheduling with Simultaneity Constraints,
SIAM J. Discrete Math. 6 (1993) 631-641
108. C.N. Fiechter,
A. Rogger,
D. de Werra Basic ideas of Tabu Search with an application to Traveling Salesman and Quadratic Assignment,
Ricerca Operativa 62 (1992) 5-28
109. D. de Werra,
J. Blazewicz Some preemptive open shop scheduling problems with a renewable or a nonrenewable resource,
Discrete Applied Mathematics 33 (1992) 203-219
110. N.V.R. Mahadev,
Ph. Solot,
D. de Werra Cylindrical open shop scheduling: some solvable cases,
Vishwa International Journal of Graph Theory, 1 (1992) 29-52

Publications

111. J. Bovet,
C. Constantin,
D. de Werra

A convoy scheduling problem,
Discrete Applied Mathematics 30 (1991) 1-14
112. D. de Werra,
F.S. Roberts

On the use of augmenting chains in chain packings,
Discrete Applied Mathematics 30 (1991) 137-149
113. D. de Werra,
J. Blazewicz,
W. Kubiak

A preemptive open shop scheduling problem with one resource,
Operations Research Letters 10 (1991) 9-15
114. A. Oberlin,
A. Rogger,
D. de Werra,
C. Bron-Pury,
F. Viret-Bernal,
C. Bérard

Identifying mythological scenes with artificial intelligence,
Science and Archeology 33 (1991) 18-27
115. D. de Werra,
Ph. Solot

Compact cylindrical chromatic scheduling,
SIAM Journal on Discrete Mathematics 4 (1991) 528-534
116. D. de Werra,
Ph. Solot

Graph Coloring Models for Scheduling in Automated Production Systems,
Proceedings of the second Conference of the Association of Asian-Pacific
Operational Research Societies (APORS),
Chief Editor C.P. Wu, Peking University Press (1991) 26-34
117. D. de Werra,
L. Jacot-Decombes,
P. Masson

A constrained sports scheduling problem,
Discrete Applied Mathematics 26 (1990) 41-49
118. D. de Werra

A note on SS/TDMA, Satellite Communication,
Linear Algebra and its Applications 135 (1990) 69-77
119. J. Blazewicz,
M. Drozdowski,
G. Schmidt,
D. de Werra

Scheduling Independent two-processor tasks on a uniform duo-processor
system,
Discrete Applied Mathematics 28 (1990) 11-20
120. D. de Werra

Heuristics for Graph Coloring, in: Computational Graph Theory (G. Tinhofer,
E. Mayr, H. Noltemeier, M. Syslo, eds)
Springer-Verlag (New York, 1990) 191-208
121. C. Friden,
A. Hertz,
D. de Werra

TABARIS: an exact algorithm based on Tabu Search for finding a maximum
independent set in a graph,
Computers and Operations Research 17 (1990) 437-445
122. A. Hertz,
D. de Werra

The Tabu Search Metaheuristic: how we used it,
Annals of Mathematics and Artificial Intelligence 1 (1990) 111-121
123. M. Cochand,
B. Simeone,
D. de Werra

Recognition of a class of unimodular functions,
Discrete Applied Mathematics 29 (1990) 243-250
124. D. de Werra

Almost nonpreemptive schedules,
Annals of Operations Research 26 (1990) 243-256

Publications

125. D. de Werra,
M. Widmer
Loading Problems with Tool Management in Flexible Manufacturing Systems:
A Few Integer Programming Models,
International Journal of Flexible Manufacturing Systems 3 (1990) 71-82
126. C. Friden,
A. Hertz,
D. de Werra
STABULUS: a Technique for finding stable sets in large graphs with tabu
search,
Computing 42 (1989) 35-44
127. D. de Werra,
C. Pasche
Paths, chains and antipaths,
Networks 19 (1989) 107-115
128. D. de Werra
Graph-theoretical models for preemptive scheduling, *in:* R. Slowinski,
J. Weglarz, eds Advances in Project Scheduling
Elsevier, Amsterdam (1989) 171-185
129. D. de Werra
Generalized edge packings,
Mathematical Programming 44 (1989) 235-245
130. W. Pulleyblank,
D. de Werra
Odd path packings,
European Journal of Combinatorics 10 (1989) 585-595
131. D. de Werra,
A. Hertz:
Tabu Search: a tutorial and an application to neural networks,
OR Spektrum 11 (1989) 131-141
132. A. Hertz,
D. de Werra
Connected Sequential Colorings,
Discrete Mathematics 74 (1989) 51-59
133. N. Chahal,
D. de Werra
An interactive system for constructing timetables on a PC,
European J. of Operational Research 40 (1989) 32-37
134. M. Cochand,
D. de Werra,
R. Slowinski
Preemptive Scheduling with Staircase and Piecewise Linear Resource
Availability,
Zeitschrift für Operations Research 33 (1989) 297-313
135. E. Amaldi,
E. Mayoraz,
A. Hertz,
D. de Werra
Apprentissage dans les réseaux de Hopfield, comptes rendus des journées
d'électronique 1989,
Presses Polytechniques Romandes, (1989) 77-85
136. D. de Werra
Packing independent sets and transversals, Combinatorics and graph theory,
Banach Center Publications (Warsaw) 25 (1989) 233-240
137. R. Dalang,
L.E. Trotter,
D. de Werra
On randomized stopping points and perfect graphs,
J. of Combinatorial Theory B 45 (1988) 320-344
138. D. de Werra
Some models of graphs for scheduling sports competitions,
Discrete Applied Mathematics 21 (1988) 47-65
139. D. de Werra,
A. Hertz
Consecutive Colorings of Graphs,
Zeitschrift für Operations Research A 32 (1988) 1-8
140. A. Hertz,
D. de Werra
Perfectly orderable graphs are quasi-parity graphs,
Discrete Mathematics 68 (1988) 111-113
141. D. de Werra
On the two-phase method for preemptive scheduling,
European Journal of Operational Research 37 (1988) 227-235

Publications

142. P.L. Hammer,
B. Simeone,
T. Liebling,
D. de Werra
From linear separability to unimodality : a hierarchy of pseudo-Boolean functions,
SIAM J. Discrete Methods 1 (1988) 174-184
143. J. Barras,
S. Alec,
C. Pasche,
P.A. Chamorel,
A.J. Germond,
D. de Werra
Network Simplex Method applied to AC Load-Flow Calculation,
IEEE Transactions on Power Systems 2 (1987) 197-203
144. V. Chvátal,
C.T. Hoàng,
N.V.R. Mahadev,
D. de Werra
Four classes of perfectly orderable graphs,
Journal of Graph Theory 11 (1987) 481-495
145. D. de Werra
Partitions into odd chains,
Mathematical Programming 37 (1987) 41-50
146. M. Chams,
A. Hertz,
D. de Werra
Some experiments with simulated annealing,
European Journal of Operational Research 32 (1987), 260-266
147. A. Hertz,
D. de Werra
Using Tabu Search Techniques for Graph Coloring,
Computing 39 (1987) 345-351
148. D. de Werra
Design and Operation of Flexible Manufacturing Systems: the kingdom of heuristics,
Revue française d'Automatique, d'Informatique et de Recherche Opérationnelle 21 (1987) 365-382
149. D. de Werra
Variations on the integral decomposition property,
Mathematical Programming Study 26 (1986) 197-199
150. D. de Werra,
C. Pasche,
A. Petter
Timetabling problems : should they be canonical ?
INFOR 24 (1986) 304-308
151. N.V.R. Mahadev,
M. Preissmann,
D. de Werra
A note on superbrittle graphs,
Discrete Mathematics 61 (1986) 259-267
152. D. de Werra
Node covering with odd chains,
Journal of Graph Theory 10 (1986) 177-185
153. M. Cochand,
D. de Werra
Generalized neighbourhoods and a class of perfectly orderable graphs,
Discrete Applied Mathematics 15 (1986) 213-220
154. P.L. Hammer,
N.V.R. Mahadev,
D. de Werra
Stability in CAN-free graphs,
J. of Combinatorial Theory 38 (1985) 23-30
155. C. Benzaken,
P.L. Hammer,
D. de Werra
Threshold characterization of graphs with Dilworth number two,
Journal of Graph Theory 9 (1985) 245-268

Publications

156. D. de Werra
Graphs, hypergraphs and timetabling, Methods of Operations Research 49, Verlag A. Hain, Königstein (1985) 201-215
157. D. de Werra
On the multiplication of divisions: the use of graphs for sports scheduling Networks 15 (1985) 125-136
158. P.L. Hammer,
N.V.R. Mahadev,
D. de Werra
The struction of a graph : application to CN-free graphs, Combinatorica 5 (1985) 141-147
159. M. Preissmann,
D. de Werra
A note on strong perfectness of graphs, Mathematical Programming 31 (1985) 321-326
160. C. Benzaken,
P.L. Hammer,
D. de Werra
Split graphs of Dilworth number 2, Discrete Mathematics 55 (1985) 123-127
161. D. de Werra
Some uses of hypergraphs in timetabling, Asia-Pacific J. of Operational Research 2 (1985) 2-12
162. D. de Werra
An introduction to timetabling, European J. of Operational Research 19 (1985) 151-162
163. D. de Werra
Graphs, Networks and Applications, *in* : G.K. Rand, R.W. Eglese, eds, Further Developments in Operational Research, Pergamon Press, Oxford (1985) 76-95
164. D. de Werra
On some properties of the struction of a graph, SIAM Journal on Algebraic and Discrete Methods 5 (1984) 239-243
165. D. de Werra
Preemptive scheduling, linear programming and network flows, SIAM Journal on Algebraic and Discrete Methods 5 (1984), 11-20
166. C. Ebenegger,
P.L. Hammer,
D. de Werra
Pseudo-Boolean functions and stability of graphs, Annals of Discrete Mathematics 19 (1984) 83-98
167. S. Martello,
W. Pulleyblank,
P. Toth,
D. de Werra
Balanced optimisation problems, Operations Research Letters 3 (1984) 275-278
168. D. de Werra
Variation on a theorem of König, Discrete Mathematics 51 (1984) 319-321
169. D. de Werra
A decomposition property of polyhedra, Mathematical Programming 30 (1984) 261-266
170. D. de Werra
Some min-max formulations for partitioning problems in graphs and hypergraphs, DGOR Operations Research Proceedings 1983, Springer-Verlag, Berlin (1984) 269-273
171. D. de Werra
On the use of bichromatic interchanges, Annals of Discrete Mathematics 17 (1983) 639-646
172. D. de Werra
On the fuzzy faces of the COP domain, *in* : R. Henn et al. (eds.), "Methods of Operations Research 45", Althenäum, Hain, Hastein 1(1983) 213-216

Publications

173. D. de Werra
Obstructions for regular colorings,
Journal of Combinatorial theory B32 (1982) 326-335
174. D. de Werra
Minimising irregularities in sports schedules using graph theory,
Discrete Applied Mathematics 4 (1982) 217-226
175. R. Ostermann,
D. de Werra
Some experiments with a timetabling system,
O.R. Spektrum 3 (1982) 199-204
176. J. Krarup,
D. de Werra
Chromatic optimisation : limitations, objectives, uses, references,
European J. of Operational Res. 11 (1982) 1-19
177. D. de Werra
On some characterisations of totally unimodular matrices,
Mathematical Programming 20 (1981) 14-21
178. D. de Werra
On the existence of generalized good and equitable colorings,
Journal of Graph theory 5 (1981) 247-258
179. D. de Werra
Scheduling in Sports, *in* : P. Hansen, eds "Studies on graphs and integer programming"
Annals of Discrete Mathematics 1, (North-Holland, 1981), 381-395
180. D. de Werra
Remarks on the requirement matrix of school timetableproblems,
European J. of Operational Research 6 (1981) 298-301
181. D. de Werra
Optimisation in edge-chromatic scheduling, *in* : A. Prekopa, eds "Survey of Mathematical Programming",
Akademiai Kiado, Budapest (1980) 379-382
182. E.A. Silver,
R.V.V. Vidal,
D. de Werra
A tutorial on heuristic methods,
European Journal of Operational Research 5 (1980) 153-162
183. D. de Werra
Geography, games and graphs,
Discrete Applied Mathematics 2 (1980) 327-337
184. D. de Werra
Network flows and chromatic scheduling, *in*: J. Krarup,
S. Walukiewicz, (eds), Proceedings of DAPS 79,
University of Copenhagen (1980) 429-438
185. D. de Werra
Fantaisies chromatiques sur diverses partitions, *in* : P. Hansen, D. de Werra,
(eds). "Regards sur la théorie des graphes",
Presses Polytechniques Romandes (1980) 127-143
186. D. de Werra
Some partitioning problems for graphs and hypergraphs, *in*: "Proceed. V Symp.
on Operations Research", (Köln, 1980), 291-293
187. D. de Werra
On a class of hypergraphs occurring in chromatic scheduling,
Cahiers du C.E.R.O. 21 (1979) 239-245
188. D. de Werra
On the use of alternating chains and hypergraphs in edge colorings,
Journal of Graph Theory 3 (1979) 175-182
189. D. de Werra
Partial compactness in chromatic scheduling,
Op. Res. Verfahren 32 (1979) 207-219
190. D. de Werra
Regular and canonical colorings,
Discr. Math. 27 (1979) 309-316

Publications

191. D. de Werra
Color-feasible sequences in almost bipartite graphs, *in* : Bermond, Fournier, Las Vergnas, Sotteau, ed. "Problèmes combinatoires et théorie des graphes, Orsay 1976", Editions CNRS, Paris (1978) 427-429
192. D. de Werra
Some comments on a note about timetabling,
INFOR Journal 16 (1978) 90-92
193. D. de Werra
On line perfect graphs,
Math. Programming 15 (1978) 236-238
194. D. de Werra
Color-feasible sequences of multigraphs,
Networks, 8 (1978) 7-16
195. D. de Werra
Uniqueness of colorings,
Archiv der Mathematik 28 (1977) 330-336
196. D. Brélaz,
Y. Nicolier,
D. de Werra
Compactness and balancing in scheduling,
Zeitschrift für Op. Res. 21 (1977) 65-73
197. D. de Werra
Some coloring techniques,
Annals of discrete Mathematics (1977) 179-184
198. D. de Werra
Multigraphs with quasi-weak odd cycles,
J. of Comb. Theory, 23 (1977) 75-82
199. D. de Werra
On a multi-period assignment problem, *in* : M. Roubens, eds "Advances in Operations Research",
North-Holland, Amsterdam (1977) 129-134
200. J.C. Rochat,
D. de Werra
Modélisation mathématique du recyclage des boues d'épuration comme engrais pour l'agriculture, *in* : "Modélisation et maîtrise des systèmes techniques, économiques, sociaux", Actes du Congrès AFCET 1977, Hommes et Techniques, Paris (1977) 519-526
201. D. de Werra
Progressive balancing in chromatic scheduling, *in* : T.A. Boffey, eds, Proceedings of Combinatorial Programming 77, University of Liverpool (1977) 105-113
202. D. de Werra
An extension of bipartite multigraphs,
Discrete Mathematics 14 (1976) 133-138
203. J.C. Arditti,
D. de Werra
A note on a paper by D. Seinsche,
J. of Comb. Theory 21 (1976) 90
204. D. de Werra
Everything you always wanted to know about S. Ex,
in : "Proceedings in Op. Res.",
Physica-Verlag, Würzburg (1976) 104-107
205. P. Beck,
J.C. Rochat,
D. de Werra
Un modèle pour l'utilisation dans l'agriculture des boues produites par les stations d'épuration, *in* : "Proceedings in Op. Res.", Physica-Verlag, Würzburg (1976) 412
206. D. de Werra
Some remarks on good colorations,
J. of Comb. Theory 21 (1976) 57-64
207. D. de Werra
How to color a graph, *in* : B. Roy, eds "Combinatorial programming : methods and applications",
D. Reidel Publ. Co., Dordrecht, the Netherlands (1975) 305-325

Publications

208. D. de Werra A few remarks on chromatic scheduling, *in: B. Roy, eds "Combinatorial programming : methods and applications"*, D. Reidel Publ. Co., Dordrecht, the Netherlands (1975) 337-342
209. D. de Werra On good and equitable colorings, *Cahiers du C.E.R.O.* 17 (1975) 417-426
210. D. de Werra On a particular conference scheduling problem, *INFOR Journal* 13 (1975) 308-315
211. D. de Werra Some results in chromatic scheduling, *Zeitschrift für Op. Res.* 18 (1974) 167-175
212. D. de Werra A note on graph coloring, (communiqué par R. Cori) *Revue française d'automatique, d'informatique et de recherche opérationnelle*, R-1 (1974) 49-53
213. D. de Werra Partitions of graphs into coverings and hypergraphs into transversals, *Comment Math. Helvet* 49 (1974) 175-178
214. D. de Werra Decomposition of bipartite multigraphs into matchings, *Zeitschrift für Op. Res.* 16 (1972) 85-90
215. D. de Werra Construction of school timetables by flow methods, *INFOR Journal* 9 (1971) 12-22
216. D. de Werra Investigations on an edge coloring problem, *Discrete Mathematics* 1 (1971) 167-179
217. D. de Werra Balanced schedules, *INFOR Journal* 9 (1971) 230-237
218. D. de Werra Equitable colorations of graphs, *Revue française d'informatique et de recherche opérationnelle*, R-3 (1971) 3-8
219. M. Florian,
M. Rossin-Arthiat,
D. de Werra A property of minimum concave cost flows in capacitated networks, *INFOR Journal* 9 (1971) 293-304
220. D. de Werra On some combinatorial problems arising in scheduling, *CORS Journal* 8 (1970) 165-175
221. D. de Werra Résolution de problèmes d'horaires par la théorie des graphes, thèse EPFL (1969)

12.12.2011