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Optimal calculus: PRZEWORSKA-ROLEWICZ D. [1973, 2, 1/2];

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Optimization: BEDNARCZUK E. [1983, 12, 3/4]; CASAS E. [1990, 19, 3/4]; DOLECKI S. [1978, 7, 2]; [1978, 7, 3]; [1978, 7, 4]; FORTUNA Z. [1974, 3, 1/2]; GRZEGÓRSKI S.M. [1978, 7, 3]; HOA N.D. [1987, 16, 3/4]; KALISZEWSKI I. [1981, 10, 3/4]; KHANH PH. QU. [1979, 8, 1]; [1984, 13, 4]; [1985, 14, 4]; [1987, 16, 3/4]; KIWIEL K.C. [1983, 12, 1/2]; [1990, 19, 1/2]; KRAJEWSKI W. [1986, 15, 3/4]; KRUS L. [1975, 4, 2]; KULIKOWSKI R. [1975, 4, 1]; KURCZYUSZ S. [1979, 8, 2]; [1979, 8,

3]; KUSIAK A. [1986, 15, 2]; LASIECKA I. [1975, 4, 3/4]; LEKSZYCKI T. [1990, 19, 3/4]; LIBURA M. [1980, 9, 4]; MALANOWSKI K. [1974, 3, 1/2]; NEGOITA C.V. [1984, 13, 3]; NOWAKOWSKI A. [1988, 17, 1]; NUONG T.H. [1989, 18, 2]; OGRYCZAK W. [1986, 15, 3/4]; ORLOVSKY S.A. [1984, 13, 3]; PHAM T.Q. [1984, 13, 4]; [1987, 16, 2]; QUYET N.D. [1978, 7, 3]; SINGER I. [1980, 9, 1/2]; SOKOŁOWSKI J. [1976, 5, 4]; [1978, 7, 2]; [1982, 11, 1/2]; STUDNIARSKI M. [1989, 18, 1]; TOLWIŃSKI B. [1975, 4, 1]; VIDAL R.V.V. [1989, 18, 3/4];

- fuzzy in OR: VERDEGAY J.L. [1984, 13, 3];
- multiobjective: CHMIELARZ W. [1982, 11, 1/2]; KALISZEWSKI I. [1983, 12, 1/2];
- of a sequence of reactors: VIDAL R.V.V. [1991, 20, 2];
- , optimal design: SOKOŁOWSKI J. [1990, 19, 3/4, guest editor]; [1990, 19, 3/4]; BENDSØE M.P. [1990, 19, 3/4]; BRADLEY M. [1990, 19, 3/4]; BURCZYŃSKI T. [1990, 19, 3/4]; CASAS E. [1990, 19, 3/4]; CINQUINI C. [1990, 19, 3/4]; DATKO R. [1990, 19, 3/4]; IWANOW Z. [1990, 19, 3/4]; LAGNESE J.E. [1990, 19, 3/4]; LEAL R.P. [1990, 19, 3/4]; LEKSZYCKI T. [1990, 19, 3/4]; LITVINOV W.G. [1990, 19, 3/4]; MYŚLIŃSKI A. [1990, 19, 3/4]; PEDERSEN P. [1990, 19, 3/4]; SERAZETDINOV T.K. [1990, 19, 3/4]; SPREKELS J. [1990, 19, 3/4]; STRONA P.P. [1990, 19, 3/4]; THOMSEN J. [1990, 19, 3/4];
- parallel: BERTOCCHI M. [1989, 18, 1];
- , Pareto in discrete control problems: DOLEŻAL J. [1988, 17, 2/3];
- stochastic: RUSZCZYŃSKI A. [1980, 9, 4]; [1984, 13, 1/2];

Optimum delivery: BIONDI E. [1973, 2, 3/4];

Optimum resource use: STEFANI S. [1986, 15, 3/4];

Pattern:

- analysis: IANCHEVA M.I. [1973, 2, 1/2];
- processing: KULPA Z. [1977, 6, 2];
- recognition: KALMAN R.E. [1980, 9, 1/2];

PERT systems: KRUS L. [1973, 2, 1/2];

Petri nets: BANASZAK Z. [1988, 17, 4];

Pole assignment: KONSTANTINOV M.M. [1981, 10, 1/2]; SAMBANDAN A. [1988, 17, 4];

Prediction:

- discriminatory: PAWŁOW I. [1979, 8, 2];
- , predictors: BANEK T. [1986, 15, 1];

Production:

- and inventory systems BANEK T. [1987, 16, 3/4];
- and price control problem: BANEK T. [1988, 17, 4];
- , economic lot size problem: SOEIRO FERREIRA J.A. [1987, 16, 3/4];
- function: CHMIELARZ W. [1986, 15, 3/4];
- systems: KRUSZ L. [1975, 4, 2]; KULIKOWSKI R. [1975, 4, 2];

Profits, rates of: COZZI T. [1973, 2, 3/4];

Program synthesis: BANASZAK Z. [1988, 17, 4];

Queues: CAVAZOS-CADENA R. [1990, 19, 1/2];

Reachability: MARZOLLO A. [1973, 2, 3/4];

Relations:

- binary: LEUTOLA K. [1980, 9, 4];
- fuzzy: LEUTOLA K. [1980, 9, 4];

Resource:

- allocation: BURKOW V.N. [1972, 1, 1/2]; CZUCHRA W. [1988, 17, 4]; [1989, 18, 1]; KULIKOWSKI R. [1991, 20, 2];
- depletion: STEFANI S. [1986, 15, 3/4];

Robotics: GOSIEWSKI A. [1986, 15, 3/4]; MALINOWSKI K. [1986, 15, 3/4]; REYMAN G. [1988, 17, 1];

Sensitivity analysis:

- for minimum weight base of matroids: LIBURA M. [1991, 20, 3];
- of discrete time processes: VINTER R. [1988, 17, 2/3];
- of optimal control systems: DONCHEV A.L. [1974, 3, 3/4]; [1975, 4, 3/4]; WIERZBICKI A. [1974, 3, 3/4];
- of shape optimization problems: SOKOLOWSKI J. [1990, 19, 3/4];

Stability:

- of LP in Banach spaces: HOA N.D. [1987, 16, 3/4];
- robust of ϵ -coupled control systems: PETKOVSKI D.B [1984, 13, 4];

Stabilization:

- of a stochastic system: NAHORSKI Z. [1975, 4, 2];
- of discrete-time linear system: SOSNOWSKI A. [1980, 9, 1/2];

State variable:

- approach to modelling of hydraulic systems: LEPSCHY A. [1973, 2, 3/4];

Stefan problem: HOFFMAN K.H. [1985, 14, 1/3]; KENMOCHI N. [1985, 14, 1/3]; [1987, 16, 3/4]; [1990, 19, 1/2]; NEITTAANMAKI P. [1987, 16, 3/4]; NIEZGÓDKA M. [1985, 14, 1/3]; AIKI T. [1990, 19, 1/2];

Stochastic:

- approximation: BARSKI M. [1973, 2, 1/2]; GONDZIO J. [1986, 15, 1]; SYSKI W. [1987, 16, 1];
- dynamic LP: GONDZIO J. [1988, 17, 4];
- production and inventory control: BANEK T. [1987, 16, 3/4];
- production scheduling: SAWIK T. [1977, 6, 3/4];
- programming: RUSZCZYŃSKI A. [1984, 13, 1/2];
- systems: NAHORSKI Z. [1975, 4, 2];

Stopping time:

- problem: CAPUZZO-DOLCETTA I. [1981, 10, 3/4];
- , optimal for Cauchy problem: FALCONE M. [1983, 12, 3/4];

Tense logic, application to formal operation planning: KULIKOWSKI J.L. [1973, 2, 3/4];

Transient motion: LADZIŃSKI R. [1976, 5, 2];

Variational problems: BERMUDEZ A. [1985, 14, 1/3]; FALCONE M. [1983, 12, 3/4];

Zero placement: TARCZYŃSKI A. [1984, 13, 1/2];