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Thermal Spray Thermal Spray 2004 Algorithms in Bioinformatics Combinatorial Optimization and Applications Strategic Allocation of Resources Using Linear Programming Model with Parametric Analysis: in MATLAB and Excel Solver Mathematical Foundations of Computer Science 2005 Hybrid Metaheuristics Corrosion Prevention and Protection Mathematical Reviews The Publishers' Trade List Annual Books in Print Supplement Forthcoming Books Research Memorandum 1,2,3... The British National Bibliography Books in Print The Cumulative Book Index Encyclopedia of Business Information Sources Subject Guide to Books in Print Thomas Register Author-title Catalog Book Review Index East European Accessions Index El-Hi Textbooks & Serials in Print, 2005 Science Citation Index Pennsylvania Business Directory

Combinatorial Optimization and Applications 2008-08-20

since the late 1940s linear programming models have been used for many different purposes airline companies apply these models to optimize their use of planes and staff nasa has been using them for many years to optimize their use of limited resources oil companies use them to optimize their refinery operations small and medium sized businesses use linear programming to solve a huge variety of problems often involving resource allocation in my study a typical product mix problem in a manufacturing system producing two products each product consists of two sub assemblies is solved for its optimal solution through the use of the latest versions of matlab having the command `simlp` which is very much like `linprog` as analysts we try to find a good enough solution for the decision maker to make a final decision our attempt is to give the mathematical description of the product mix optimization problem and bring the problem into a form ready to call matlab's `simlp` command the objective of this study is to find the best product mix that maximizes profit the graph obtained using matlab commands give the shaded area enclosed by the constraints called the feasible region which is the set of points satisfying all the constraints to find the optimal solution we look at the lines of equal profit to find the corner of the feasible region which yield the highest profit this corner can be found out at the farthest line of equal profit which still touches the feasible region the most critical part is the sensitivity analysis using excel solver and parametric analysis using computer software which allows us to study the effect on optimal solution due to discrete and continuous change in parameters of the lp model including to identify bottlenecks we have examined other options like product outsourcing one time cost cross training of one operator manufacturing of hypothetical third product on under utilized machines and optimal sequencing of jobs on machines

Strategic Allocation of Resources Using Linear Programming Model with Parametric Analysis: in MATLAB and Excel Solver 2014-05-27

this volume contains the papers presented at the 30th symposium on mathematical foundations of computer science mfcs 2005 held in gdansk poland from august 29th to september 2nd 2005

Mathematical Foundations of Computer Science 2005 2005-09-14

this book constitutes the refereed proceedings of the 9th international workshop on hybrid metaheuristics hm 2014 held in hamburg germany in june 2014 the 14 revised full papers presented were carefully reviewed and selected from 22 submissions the selected papers cover both theoretical and experimental results including new paradigmatic hybrid solvers and automatic design approaches as well as applications to logistics and public transport

Hybrid Metaheuristics 2014-06-04

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Corrosion Prevention and Protection 2005-09

Corrosion prevention and protection practical solutions presents a functional approach to the various forms of corrosion such as uniform corrosion pitting corrosion crevice corrosion galvanic corrosion stress corrosion hydrogen induced damage sulphide stress cracking erosion corrosion and corrosion fatigue in various industrial environments the book is split into two parts the first consisting of five chapters introduction and principles fundamentals of corrosion corrosion testing detection monitoring and failure analysis regulations specifications and safety materials metals alloys steels and plastics corrosion economics and corrosion management the second part of the book consists of two chapters which present a discussion of corrosion reactions media active and active passive corrosion behaviour and the various forms of corrosion a collection of case histories and practical solutions which span a wide range of industrial problems in a variety of frequently encountered environments including statues monuments corrosion problems in metallurgical and mineral processing plants boilers heat exchangers and cooling towers aluminum and copper alloys galvanized steel structures as well as hydrogeological environmental corrosion this text is relevant to researchers and practitioners engineers and chemists working in corrosion in industry government laboratories and academia it is also suitable as a course text for engineering students as well as libraries related to chemical and chemical engineering institutes and research departments

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World List of Books 2001-01

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