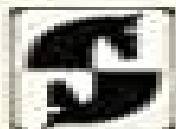


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Didier Henrion,Andrea Garulli

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MODIFIED METHOD FOR SOLVING NON-LINEAR PROGRAMMING FOR MULTI-CRITERIA DECISION MAKING PROBLEMS UNDER INTERVAL NEUTROSOPHIC

SET ENVIRONMENT Akanksha Singh, Garg and Nancy Applied Intelligence 2017 <https://doi.org/10.1007/s10489-017-1070-5> proposed a non linear programming NLP method for solving interval neutrosophic multi criteria decision making INMCDM problems decision making problems in which rating value of each alternative over each criteria is represented by an interval neutrosophic set In future other researchers may use the same method in their research work as well as for solving real life INMCDM problems However after a deep study it is observed that Garg and Nancy have used some mathematical incorrect assumptions in their proposed method Therefore it is scientifically incorrect to use this method in its present form Keeping the same in mind the method proposed by Garg and Nancy is modified

Neutrosophic Sets and Systems, Vol. 47, 2021
Florentin Smarandache, Mohamed Abdel-Basset, Said Broumi, 2021-12-30 Papers on neutrosophic statistics neutrosophic probability plithogenic set paradoxism neutrosophic set NeutroAlgebra etc and their applications

Material Forming Processes Bouchaib Radi, Abdelkhalak El Hami, 2016-09-16 Manufacturing industries strive to improve the quality and reliability of their products while simultaneously reducing production costs To do this modernized work tools must be produced this will enable a reduction in the duration of the product development cycle optimization of product development procedures and ultimately improvement in the productivity of design and manufacturing phases Numerical simulations of forming processes are used to this end and in this book various methods and models for forming processes including

stamping hydroforming and additive manufacturing are presented The theoretical and numerical advances of these processes involving large deformation mechanics on the basis of large transformations are explored in addition to the various techniques for optimization and calculation of reliability The advances and techniques within this book will be of interest to professional engineers in the automotive aerospace defence and other industries as well as graduates and undergraduates in these fields

Applied Mathematics Bruno Carpentieri,2019-09-25 This book contains well written monographs within the broad spectrum of applied mathematics offering an interesting reading of some of the current trends and problems in this fascinating and critically important field of science to a broad category of researchers and practitioners Recent developments in high performance computing are radically changing the way we do numerics As the size of problems is expected to grow very large in the future the gap between fast and slow algorithms is growing rapidly Novel classes of numerical methods with reduced computational complexity are therefore needed to make the rigorous numerical solution of difficult problems arising in an industrial setting more affordable The book is structured in four distinct parts according to the purpose and approaches used in the development of the contributions ranging from optimization techniques to graph oriented approaches and approximation theory providing a good mix of both theory and practice

Frontiers of Business, Management and Economics Mehran Nejati,2013-06-05 This edited book is a compilation of research studies conducted in the areas of business management and economics These cutting edge articles will be of interest to researchers academics and business managers

Positive Polynomials in Control Didier Henrion,Andrea Garulli,2005-01-14 Positive Polynomials in Control originates from an invited session presented at the IEEE CDC 2003 and gives a comprehensive overview of existing results in this quickly emerging area This carefully edited book collects important contributions from several fields of control optimization and mathematics in order to show different views and approaches of polynomial positivity The book is organized in three parts reflecting the current trends in the area 1 applications of positive polynomials and LMI optimization to solve various control problems 2 a mathematical overview of different algebraic techniques used to cope with polynomial positivity 3 numerical aspects of positivity of polynomials and recently developed software tools which can be employed to solve the problems discussed in the book

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Third Series Library of Congress. Copyright Office,1977 **Mathematical Reviews** ,2003 *Level Set Method in Medical Imaging Segmentation* Ayman El-Baz,Jasjit S. Suri,2019-06-26 Level set methods are numerical techniques which offer remarkably powerful tools for understanding analyzing and computing interface motion in a host of settings When used for medical imaging analysis and segmentation the function assigns a label to each pixel or voxel and optimality is defined based on desired imaging properties This often includes a detection step to extract specific objects via segmentation This allows for the segmentation and analysis problem to be formulated and solved in a principled way based on well established mathematical theories Level set method is a great tool for modeling time varying medical images and enhancement of

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