

Soft computing refers to a collection of computational techniques which study, model and analyse complex phenomena. As many textile engineering problems are inherently complex in nature, soft computing techniques have often provided optimum solutions to these cases. Although soft computing has several facets, it mainly revolves around three techniques; artificial neural networks, fuzzy logic and genetic algorithms. The book is divided into five parts, covering the entire process of textile production, from fibre manufacture to garment engineering. These include soft computing techniques in yarn manufacture and modelling, fabric and garment manufacture, textile properties and applications and textile quality evaluation. Covers the entire process of textile production, from fibre manufacture to garment engineering including artificial neural networks, fuzzy logic and genetic algorithms Examines soft computing techniques in yarn manufacture and modelling, fabric and garment manufacture Specifically reviews soft computing in relation to textile properties and applications featuring garment modelling and sewing machines

IUTAM Symposium on Asymptotics, Singularities and Homogenisation in Problems of Mechanics (Solid Mechanics and Its Applications), 3 Characteristic Pieces, Op.10 (Mazurka (No.1)): Tuba part (Qty 4) [A5583], Incredible India (Read-It! Chapter Books: SWAT), Between Ourselves: Letters Between Mothers and Daughters 1750-1982, Cocoa and Chocolate; A Short History of Their Production and Use, Historisk Tidskrift, Volume 13 (Swedish Edition),

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Soft computing is an emerging area of inter-disciplinary research. It refers to a collection of computational techniques which study, model and analyze complex phenomena. As many textile engineering problems .

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Soft computing is a cluster of modelling and optimisation techniques which mimics the behaviour of biological systems. Artificial neural network (ANN), fuzzy . Abhijit Majumdar (Department of Textile Technology, Indian Institute of soft computing techniques in fabrics and clothing science and engineering. Then, the applications of soft computing methods in fabric property modelling (tensile. Woodhead Publishing Series in Textiles: Number Soft computing in textile engineering. Edited by. A. Majumdar. The Textile Institute. WP. WOODHEAD. ICSCTE 20th International Conference on Soft Computing in Textile Engineering aims to bring together leading academic scientists, researchers and .

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