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Nota di contenuto	chapter 1 Classification of textile yarns -- chapter 2 Attributes of cotton mixing -- chapter 3 Testing techniques used in yarn engineering -- chapter 4 Statistical techniques used in yarn engineering -- chapter 5 Artificial neural networking (ANN) -- chapter 6 Changes in mix formulation approach with the technological developments -- chapter 7 Cotton fiber engineering -- chapter 8 Yarn engineering by back propagation algorithm concept of / ANN -- chapter 9 Optimisation of yarn quality, cost and process parameters -- chapter 10 Case study.
Sommario/riassunto	"This book is designed to provide a platform for the critical evaluation of deficits of classical cotton yarn engineering approach and how they were overruled by the development of today's ANN based scientific approach. Legendary ring spinning process is kept as a reference and various technological changes undergone by the different sectors of the yarn engineering system are elaborated. The entire book is divided into ten chapters. The opening chapter briefs on varieties of textile fibers available and amongst them identifies the significance of cotton fiber for the textile industry. It also covers up ring spinning pattern along

with constraints handled due to natural fiber variations in transitory way. Artificial Neural Networking (ANN) is the upcoming software technique to replace Biological Neural Network (Human brain) for accurate resolution of complex problems, fifth chapter remits on this technology."--Provided by publisher.
