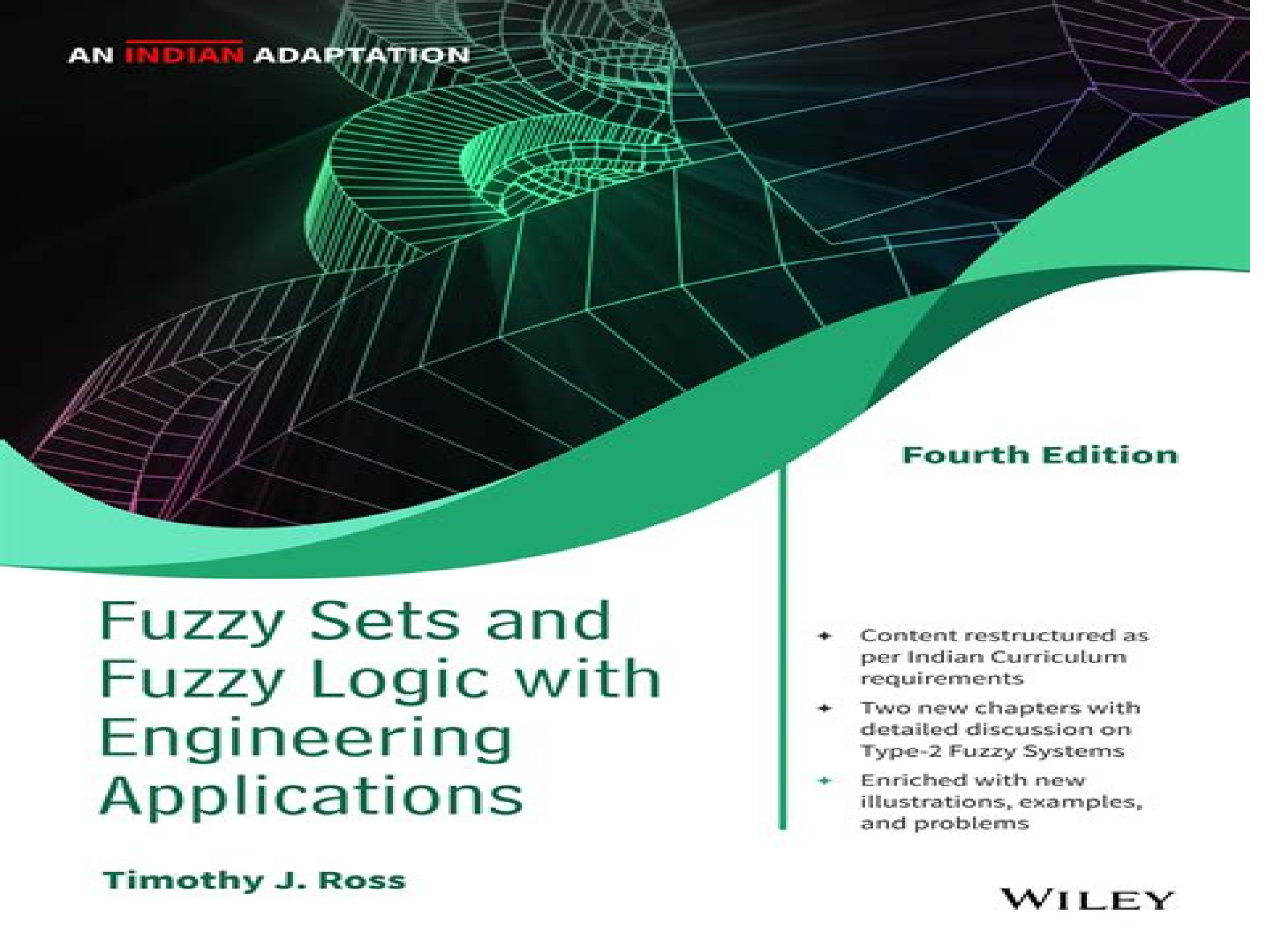




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An Introduction to Fuzzy Logic and Fuzzy Sets James J. Buckley, Esfandiar Eslami, 2013-11-11 This book is an excellent starting point for any curriculum in fuzzy systems fields such as computer science mathematics business economics and engineering It covers the basics leading to fuzzy clustering fuzzy pattern recognition fuzzy database fuzzy image processing soft computing fuzzy applications in operations research fuzzy decision making fuzzy rule based systems fuzzy systems modeling fuzzy mathematics It is not a book designed for researchers it is where you really learn the basics needed for any of the above mentioned applications It includes many figures and problem sets at the end of sections

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Advanced Fuzzy Logic Approaches in Engineering Science Ram, Mangey, 2018-09-14 Fuzzy logic techniques have had extraordinary growth in various engineering systems The developments in engineering sciences have caused apprehension in modern years due to high tech industrial processes with ever increasing levels of complexity Advanced Fuzzy Logic Approaches in Engineering Science provides innovative insights into a comprehensive range of soft fuzzy logic techniques applied in various fields of engineering problems like fuzzy sets theory adaptive neuro fuzzy inference system and hybrid fuzzy logic genetic algorithms belief networks in industrial and engineering settings The content within this publication represents the work of particle swarms fuzzy computing and rough sets It is a vital reference source for engineers research scientists academicians and graduate level students seeking coverage on topics centered on the applications of fuzzy logic in high tech industrial processes

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Fuzzy Logic: With Engineering Applications, 2Nd Ed Ross, 2008 Fuzzy logic refers to a large subject dealing with a set of methods to characterize and quantify uncertainty in engineering systems that arise from ambiguity imprecision fuzziness and lack of knowledge This updated version concentrates on various topics of fuzzy logic combined with an abundance of worked examples chapter problems and commercial case studies designed to help motivate a mainstream engineering audience

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Applications of Fuzzy Set Methodologies in Industrial Engineering Gerald W. Evans, 1989

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Fuzzy Sets and Operations Research Bing-Yuan Cao, Yu-Bin Zhong, 2019-03-19 This book presents the latest advances in applying fuzzy sets and operations research technology and methods It is the first fuzzy mathematics textbook for students in high school and technical secondary schools Part of Springer's book series Advances in Intelligent and Soft Computing it includes the 36 best papers from the Ninth International Conference on Fuzzy Information and

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