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Dr. Ross is a professor within the Department of Civil Engineering at the University of New Mexico where he teaches courses in structural analysis, structural dynamics and fuzzy logic. He is a registered professional engineer with over 30 years ' experience in the fields of computational mechanics, hazard survivability, structural dynamics, structural safety, stochastic processes, risk ...

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Fuzzy Logic with Engineering Applications by Timothy J. Ross

Fuzzy logic with engineering applications / Timothy J. Ross.—3rd ed. p. cm. Includes bibliographical references and index. ISBN 978-0-470-74376-8 (cloth) 1. Engineering mathematics. 2. Fuzzy logic. I. Title. TA331.R74 2010 620.001 511313—dc22 2009033736

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In fuzzy mathematics, fuzzy logic is a form of many-valued logic in which the truth values of variables may be any real number between 0 and 1 both inclusive. It is employed to handle the concept of partial truth, where the truth value may range between completely true and completely false. By contrast, in Boolean logic, the truth values of variables may only be the integer values 0 or 1.

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