

A Primer on the Taguchi Method, 2nd edition

By Ranjit K. Roy



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In the completely revised 2nd edition, additional chapters and more case studies add to the clear, simple, and essentially non-mathematical presentation of the basic concepts, techniques, and applications of the renowned Taguchi approach. This practical guide introduces the fundamentals of Taguchi experimental design and shows engineers how to design, analyze, and interpret experiments for a wide range of common products and processes.



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Editorial Review

Review

Dr. Roy's name is instantly associated with Taguchi methodologies in the manufacturing industries. His skill set is also being recognized for project management instruction. The new edition includes more easy-to-follow descriptions and examples. --Andrea Stamps, engineering specialist, six sigma master black belt, General Dynamics, Southfield, MI

Dr. Roy has many years of practical experience helping engineers understand and improve their engineering, reliability, and problem-solving skills using Dr. Taguchi's ideas. He anticipates questions engineers would ask and provides information exactly when it is needed. --Larry R. Smith, quality and reliability manager (retired), Ford Motor Co., Dearborn, MI

The author is able to explain concepts in a very knowledgeable yet down-to-earth and systematic manner. The material is very well organized. --Kush Shah, manager, alternative propulsion technology quality, General Motors, LLC, Pontiac, MI

About the Author

Ranjit K. Roy, PhD. PE, PMP (mechanical engineer and president of Nutek, Inc.), is an internationally known consultant and trainer specializing in the Taguchi approach to quality improvement. Dr. Roy began his career with the Burroughs Corporation following the completion of graduate studies in engineering at the University of Missouri-Rolla in 1972. He then worked for General Motors Corporation (1976-87), assuming various engineering responsibilities, his last position being that of reliability managaer. Dr. Roy established his own consulting company, Nutek, Inc., in 1987 and currently offers consulting, training and application workshops in robust product and process design using the Taguchi approach. Dr. Roy is a fellow of the American Society for Quality and an adjunct professor at Oakland University, Rochester, Michigan. He is a Project Management Professional (PMP) as certified by the Project Management Institute (PMI)

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