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Nota di contenuto	Effective optimization of statistical decisions for age replacement problems under parametric uncertainty / N. A. Nechval, K. N. Nechval -- A multiresponse optimization model for statistical design of processes with discrete variables / Taha-Hossein Hejazi, Leilanaz Akbari -- Design optimization of a wind turbine using artificial intelligence / Jagan Jayabalan [and 3 others] -- Optimization of process parameters using Taguchi coupled genetic algorithm: machining in CNC lathe / Supriyo Roy, J. Paulo Davim, Kaushik Kumar -- Reliability optimization of complex systems using cuckoo search algorithm / Anuj Kumar, Sangeeta Pant, S. B. Singh -- Multi-objective optimization of die-sinking EDM process on AISI P-20 tool steel using cuckoo search and genetic algorithm / Goutam Kumar Bose, Pritam Pain, Sayak Mukhopadhyay -- Introduction to system reliability evaluation through Bayesian approach / M. Kumar, P. N. Bajeel -- Reliability analysis of engineering systems: an accelerated life testing for boiler tubes / Taha-Hossein Hejazi, Hossein Poursabbagh -- Monte Carlo simulation for reliability-based design of automotive complex subsystems / Taha-Hossein Hejazi, Amirmohsen Hejazi -- Reliability analysis of two dissimilar-cold standby redundant systems subject to inspection with

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emissions using satellite tools / Yuriy V. Kostyuchenko [and 3 others]
-- Journey from Order to Chaos and Returning / Anuraj Singh --
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engine / Rakesh Kumar Maurya, Akhil Nekkanti -- Numerical
simulation of high temperature deformation behavior of nickel-based
superalloys using crystal plasticity models and finite element method /
M.K. Samal.

Sommario/riassunto

"This book offers the latest scholarly research on the use of applied
mathematics to enhance the current trends and productivity in
mechanical engineering, highlighting theoretical foundations, real-
world cases, and future directions"--Provided by publisher.
