1. Record Nr. UNINA9910450859603321

Titolo	Advanced reliability modeling II [[electronic resource]] : reliability testing and improvement : proceedings of the 2nd Asian International Workshop (AIWARM 2006), Busan, Korea, 24-26 August 2006 / / edited by Won Young Yun, Tadashi Dohi
Pubbl/distr/stampa	Singapore ; ; Hong Kong, : World Scientific, c2006
ISBN	1-281-37919-0 9786611379193 981-277-376-2
Descrizione fisica	1 online resource (xvii, 795 p.) : ill
Altri autori (Persone)	DohiTadashi YunWon Young
Disciplina	629.00452
Soggetti	Reliability (Engineering) - Mathematical models Computer networks - Reliability Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface / W. Y. Yun and T. Dohi -- I. System and network reliability. Optimal burn-in for minimizing total warranty cost / J. H. Cha. An efficient approach to enumerate SCG arising in CRNR evaluation / S. K. Chaturvedi and R. Mishra. System reliability prediction model using truncated Weibull distribution for manufacturing system design / H. S. Hwang and G. S. Cho. Integrated performance model for facility design system performance-RAM-LCC / H. S. Hwang and G. S. Cho. Reliability analysis of a network server system with illegal access / M. Imaizumi, M. Kimura and K. Yasui. Reliability analysis of a repairable system with warm standbys and imperfect coverage / J. B. Ke, K. H. Wang and J. Y. Ding. Enhancing internet network reliability by integrated framework of multi-objective genetic algorithm and Monte Carlo simulation / D. H. Kim and J. R. Kim. In heuristics for the access network design problem in UMTS mobile communication networks / H. G. Kim, C. H. Paik and Y. J. Chung. Two stage burn in policy / S. H. Sheu and C. S. Lin. Reliability analysis of a repairable system with standby switching failures and

reboot delay / K. H. Wang, J. W. Chen and J. B. Ke. Quantitative analysis of a fault tree with priority AND Gates / T. Yuge and S. Yanagi. A consecutive-k| and k2-out-of-n system and its reliability / X. Zhao, L. Cui and X. Yang -- II. Optimization in reliability engineering. Efficient algorithm for the system state distribution of multi-state k-out-of-n system / T. Akiba, H. Yamamoto and H. Nagatsuka. Decision support system for reliability analysis of process plant shutdowns / M. Bertolini and M. Bevilacqua. Evaluating ability of a branch and bound method designed for solving bi-objective NVP design problem / T. Hiroshima ... [et al.]. Optimality of k-out-of-n systems for condition monitoring maintenance using dependent information / L. Jin, Y. Horikoshi and K. Suzuki. Redundancy allocation problems with multiple component choices using simulated annealing algorithm / H. G. Kim and C. O. Bae. Globally solving the redundancy allocation problem for the case of series-parallel systems / J. H. Kim and J. S. Kim. Reliability allocation with or without cost consideration / G. L. Lee. A multi objective genetic algorithm for solving reliability optimization problem of a communication network system / M. Mukuda and Y. Tsujimura. Genetic algorithm for solving optimal component arrangement problem of circular consecutive -k-out-of-n: F system / K. Shingyochi ... [et al.]. Redundancy optimization in multi-level system with SA algorithm / W. Y. Yun, I. H. Chung and H. G. Kim -- III. Maintenance. A near optimal preventive maintenance policy with the effect of age reduction factor / M. C. Chen and C. Y. Cheng. The optimal periodic preventive maintenance policy with reliability limit for the case of degradation rate reduction / C. Y. Cheng and M. C. Chen. An inventory with partial replenishment subject to compound poisson demands / S. K. Choi, K. E. Lim and E. Y. Lee. Optimal (T, S)-policies in a discrete-time opportunity-based age replacement: an empirical study / T. Dohi, N. Kaio and S. Osaki. A maintenance and inventory control in a connected-(p, r)-out-of-(m,n): F system / Y. J.Ha and W. Y. Yun. Optimal maintenance policy for a system with damade repair / K. Ito, T. Nakagawa and K. Teramoto. Discrete repair-cost limit replacement policies / K. Iwamoto, T. Dohi and N. Kaio. Aperiodic optimal checkpoint sequence under steady-state system availability criterion / K. Iwamoto, T. Maruo, H. Okamura and T. Dohi. Optimal periodic preventive maintenance policies based on ARI and ARL Models / D. H. Kim and J. H. Lim. A continuous-wear limit replacement-policy with random threshold under periodic inspections / B. J. Lee. A maintenance model for manufacturing lead time in a production system with BMAP input and bilevel setup control / H. W. Lee and N. I. Park. Optimal inspection policy with alive message / S. Mizutani, T. Nakagawa and T. Nishimaki. Optimal checkpoint intervals for error detection by multiple modular redundancies / K. Naruse, T. Nakagawa and S. Maeji. Optimal maintenance policy of the system considering external environment preventive maintenance / J. H. Park. Approximately optimal testing policies for series systems / M. Wang and C. M. Chang. Optimal preventive-maintenance policy for lease products under a threshold value on failure rate / R. H. Yeh and W. L. Chang -- IV. Advanced warranty modeling. Optimum production run length and warranty period setting for the imperfect production system / C. H. Chen. Optimal age-replacement policy for repairable products under renewing free-replacement warranty / Y. H. Chien and J. A. Chen. Spare ordering policy for replacement under the rebate warranty / Y. H. Chien and J. A. Chen. A repair cost limit policies with fixed warranty period / C. H. Choi and W. Y. Yun. Two-dimensional warranty: minimal/complete repair strategy / S. Chukova, Y. Hayakawa and M. R. Johnston. Optimal production run-length and warranty period for items

sold with rebate combination warranty / B. C. Giri and T. Chakraborty. Analysis of warranty data with covariates / M. R. Karim and K. Suzuki. Imperfect repair policies under two-dimensional warranty / W. Y. Yun and K. M. Kang -- V. Software reliability. Bivariate extension of software reliability modeling with number of test cases / T. Ishii, T. Fujiwara and T. Dohi. Nonhomogeneous poisson processes based on beta-mixtures in software reliability models / D. K. Kim, I. K. Yeo and D. H. Park. Simulation methods for parameter estimation of inflection S-shaped software reliability growth model / H. S. Kim, D. H. Park and S. Yamada. A study on bootstrap confidence intervals of software reliability measures based on an incomplete gamma function model / M. Kimura. Software reliability modeling based on mixed poisson distributions / H. Okamura and T. Dohi. Coverage growth functions for software reliability modeling / J. Y. Park and T. Fujiwara. Estimating the optimal software rejuvenation schedule with small sample data / K. Rinsaka and T. Dohi. Incorporating dynamic software metrics data in software reliability assessment / K. Shibata, K. Rinsaka and T. Dohi. A user-oriented reliability assessment method for open source software / Y. Tamura and S. Yamada. Performance analysis for software system with processing time limit based on reliability growth model / K. Tokuno and S. Yamada -- VI. Accelerated testing and failure analysis. Planning accelerated tests-a review (invited paper) / B. J. Yum ... [et al.]. Failure analysis and accelerated degradation test for AC fan motor / J. S. Jung ... [et al.]. An analysis of accelerated performance degradation test assuming the Arrhenius stress-relationship / T. H. Kang, S. W. Chung and W. Y. Yun. Optimum design of accelerated life tests under two failure modes / C. M. Kim. Analyses of accelerated life tests from general limited failure population / C.M. Kim and J. H. Seo. Degradation characteristics of polymeric humidity sensors under high temperature and humidity / S. M. Kim ... [et al.]. The reliability estimation of pipeline using FAD, FORM and SORM / O. S. Lee and D. H. Kim. Reliability evaluation of high precision oil cooler / S. W. Lee, S. W. Han and H. K. Lee. Design of accelerated life test sampling plans with a nonconstant shape parameter / J. H. Seo, M. Jung and C. M. Kim. A study on the lifetime prediction of the rubber materials for refrigerator component / C. S. Woo and S. S. Choi -- VII. Statistical analysis and reliability modeling. Mixture failure rates: ordering and asymptotic theory (invited paper) / M. Finkelstein and V. Esaulova. Bayesian estimation of hazard rate of a mixture model with censored lifetimes / S. E. Ahn. A note on parameter estimation for phase-type distribution in canonical form / H. Gotoh, H. Okamura and T. Dohi. Fuzzy variable reliability modeling based on credibility theory / R. Guo.

Small sample asymptotic distribution of cost-related reliability risk measure / R. Guo. Estimation of failure intensity and maintenance effect under two different environments / J. W. Kim. Characterizing a negative binomial process for a gamma distributed failure rate / W. H. Kim, S. E. Ahn and C. S. Park. On nonparametric testing equality of residual life times / J. H. Lim and D. H. Park. Parameter estimation of shape parameter of the gamma distribution free from location and scale information / H. Nagatsuka, H. Yamamoto and T. Kamakura. Comparison of two information structures with noise in Bayesian decision analysis / C. H. Qian, J. Chen and T. Nakagawa -- VIII. Stochastic models. Grey Reliability Analysis under L Norm / R. Guo and Y. H. Cui. Statistical analysis of intensity for a queueing system / J. C. Ke and Y. K. Chu. Application for market impact of stock price using cumulative damage model / S. Nakamura ... [et al.]. Some results on a Markovian deteriorating system with multiple imperfect repair / N. Tamura. Transient analysis of internet-worm propagation based on

simple birth and death processes / K. Tateishi, H. Okamura and T. Dohi -- IX. Statistical quality control. Improved inspection schedule for a batch mode production system / J. A. Chen and Y. H. Chien. Evaluation of multi-process capability by a fuzzy inference method / T. W. Chen and T. C. Wang. A new process improvement capability index of considering cost to select supplier / K. S. Chen ... [et al.]. Joint optimization of process mean and tolerance limits for multi-class screening / S. H. Hong ... [et al.]. Separate response surface modeling for multiple response optimization / Y. J. Kim. A global criterion approach to multiple response optimization / Y. J. Kim and B. R. Cho. determination of mean value for a production process with multiple products / M. K. Lee, S. H. Hong and H. M. Kwon. Some advanced control charts for monitoring Weibull-distributed time between events / J. Y. Liu, M. Xie and T. N. Goh.
The Relationship between PCIs and 6 / L. Y. Ouyang and C. H. Hsu. Confidence intervals for measures of variability in balanced mixed gauge R&R study / D. J. Park. Therapeutic decision making for uncertainty averse patient / T. Satow and H. Kawai. The autocorrelated GWMA control chart / S. H. Sheu and S. L. Lu. An extended exponentially weighted moving average control chart for monitoring poisson observations / S. H. Sheu, T. C. Lin and S. H. Tai. Build up the product satisfaction performance measurement by using 6-sigma methodology and S/N ratio approach - an example of PDA / C. J. Tao, S. C. Chen and H. C. Tsung.