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Windows 365 is the beginning of the evolution for this offering, which should eventually become the dominant form of Windows.

Windows 365: The Promise of a No-Hassle OS and the Cloud PC Revolution

A recent comprehensive market research report entitled Global Articulated Hauler Market Research Report 2021-2027 announced by Market Research Place is an information-rich representation of the ...

Global Articulated Hauler Market, Size and Share Over The Forecast Period 2021-2027

While a pair of reports recently completed by the Zone 7 Water Agency stated that the agency is well positioned to meet the water needs of the ...

Zone 7 Aims To Secure Its Local Water Reliability

As the bitcoin mining industry grapples with criticism over its energy use, nuclear power is emerging as its source of the future.

Is Nuclear Power The Future Of Bitcoin Mining?

Initiative to upgrade local energy grid and install smart meters to enhance reliability, improve customer experience.

New Jersey BPU Approves Smart Energy Network to Improve Reliability

How maintenance conversations are evolving from enterprise asset management (EAM) to asset performance management (APM).

Reliability is taking on a new urgency

As we continue to work toward a more sustainable future globally, demand for renewable energy integration is increasing. This requires more flexibility in grid infrastructure and the ability to add mo ...

Why Microgrids Are the Key to Our Carbon-Neutral Future

Today there are new challenges to reliability, including greater forces at play and an environmental focus on preventing fluids from escaping the hull as well as getting in ... Ideally operators will ...

Improving seal reliability (sponsored)

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With production of new Next Generation Jammer Mid-Band (NGJ-MB) electronic jamming pods for the Navy's EA-18G Growler confirmed, a move to "smart jamming" will begin but the NGJ's greatest asset may ...

The Biggest Benefit Of The Navy's Next Generation Jammer May Be Reliability

Microsoft Azure customers worldwide now gain access to Cornerstone.IT Remote Desktop Pro to take advantage of the scalability, reliability ... legal tech industry since 2003 it is well-versed with how ...

Cornerstone.IT Now Available in the Microsoft Azure Marketplace

One key to that success is high reliability, which requires standard operations, as well as being keenly aware ... the continuous reporting out of trends; using standardized approaches; and ...

Lee Health: Heart Central team earns high-reliability award

Grafana Labs Inc. announced today it has acquired k6, a Stockholm-based startup with an open-source tool used by engineers at Amazon.com Inc., Microsoft Corp. and other tech giants to find ...

Grafana Labs buys k6 to help enterprises find reliability issues in their workloads

Utilities, independent power producers (IPPs), and microgrid developers are faced with reliability challenges ... cause costly damage to grid assets, as well as inefficient energy distribution.

Veritone Announces Device Learning Model for SMA Sunny Central Solar Inverters, Driving Grid Reliability in the Global Transition to Green Energy

They're put together well, the designs are elegant and tasteful, and Buick's reliability hasn't been ... and the pedal slid to the end. I had to use the emergency brake to stop.

The Most Reliable Crossovers of the Past Five Years

Daiwa is known and respected for making affordable, well made ... it's known for its products' reliability and innovation. The company pioneered the use of carbon fiber material in fishing ...

Best Daiwa Reels for All Types of Fishing

The gaming industry saw explosive growth in 2020, with more than half of US residents turning to video games as a way to pass the time, socialize, and generally entertain themselves during the ...

HyperX's excellent Cloud Alpha S gaming headset is just $90 at Amazon

"No Rules Rules: Netflix and the Culture of Reinvention" Get it now on Libro.fm using the button below ... offer high-quality video and impressive reliability. The Arlo Essential Wireless ...

Understand and utilize the latest developments in Weibull inferential methods While the Weibull distribution is widely used in science and engineering, most engineers do not have the necessary statistical training to implement the methodology effectively. Using the Weibull Distribution: Reliability, Modeling, and Inference fills a gap in the current literature on the topic, introducing a self-contained presentation of the probabilistic basis for the methodology while providing powerful techniques for extracting information from data. The author explains the use of the Weibull distribution and its statistical and probabilistic basis, providing a wealth of material that is not available in the current literature. The book begins by outlining the fundamental probability and statistical concepts that serve as a foundation for subsequent topics of coverage, including: • Optimum burn-in, age and block replacement, warranties and renewal theory • Exact inference in Weibull regression • Goodness of fit testing and distinguishing the Weibull from the lognormal • Inference for the Three Parameter Weibull Throughout the book, a wealth of real-world examples showcases the discussed topics and each chapter concludes with a set of exercises, allowing readers to test their understanding of the presented material. In addition, a related website features the author's own software for implementing the discussed analyses along with a set of modules written in Mathcad®, and additional graphical interface software for performing simulations. With its numerous hands-on examples, exercises, and software applications, Using the Weibull Distribution is an excellent book for courses on quality control and reliability engineering at the upper-undergraduate and graduate levels. The book also serves as a valuable reference for engineers, scientists, and business analysts who gather and interpret data that follows the Weibull distribution

A practical, hands-on approach to power distribution system reliability As power distribution systems age, the frequency and duration of consumer interruptions will increase significantly. Now more than ever, it is crucial for students and professionals in the electrical power industries to have a solid understanding of designing the reliable and cost-effective utility, industrial, and commercial power distribution systems needed to maintain life activities (e.g., computers, lighting, heating, cooling, etc.). This books fills the void in the literature by providing readers with everything they need to know to make the best design decisions for new and existing power distribution systems, as well as to make quantitative "cost vs. reliability" trade-off studies. Topical coverage includes: Engineering economics Reliability analysis of complex network configurations Designing reliability into industrial and commercial power systems Application of zone branch reliability methodology Equipment outage statistics Deterministic planning criteria Customer interruption for cost models for load-point reliability assessment Isolation and restoration procedures And much more Each chapter begins with an introduction and ends with a conclusion and a list of references for further reading. Additionally, the book contains actual utility and industrial power system design problems worked out with real examples, as well as additional problem sets and their solutions. Power Distribution System Reliability is essential reading for practicing engineers, researchers, technicians, and advanced undergraduate and graduate students in electrical power industries.

"This report is the first of two volumes that present information on the spatial and temporal distribution, relative abundance, and life history characteristics of 47 fish and invertebrate species in 32 estuaries along the contiguous West Coast of the U.S. It's purpose is to disseminate data developed in NOAA's Estuarine Living Marine Resources (ELMR) project."--Page 1.

A discussion of the basic reliability concepts and models, Reliability Models for Engineers and Scientists demystifies modern mathematical reliability models. Requiring very little mathematical background on the reader's part, this concise book introduces the models by focusing on their physical meaning and the supporting data; it then goes on to provide a wide scope of possible applications. The book also introduces a new concept of the Gini-type index, which when applied to aging/rejuvenating components (nonrepairable systems) can measure how different a given aging/rejuvenation distribution is compared to the exponential distribution. A similar index is then applied to aging/rejuvenating repairable systems, creating a bridge between the concepts. The chapters discuss models used in reliability, risk analysis, physics of failure, fracture mechanics, biological, pharmaceutical, and medical studies. They comprise an up-to-date, concise, and informative resource on reliability models, which does not require any special mathematical background.

Presents systems-based theory, methodology, and applications in risk modeling, assessment, and management This book examines risk analysis, focusing on quantifying risk and constructing probabilities for real-world decision-making, including engineering, design, technology, institutions, organizations, and policy. The author presents fundamental concepts (hierarchical holographic modeling; state space; decision analysis; multi-objective trade-off analysis) as well as advanced material (extreme events and the partitioned multi-objective risk method; multi-objective decision trees; multi-objective risk impact analysis method; guiding principles in risk analysis); avoids higher mathematics whenever possible; and reinforces the material with examples and case studies. The book will be used in systems engineering, enterprise risk management, engineering management, industrial engineering, civil engineering, and operations research. The fourth edition of Risk Modeling, Assessment, and Management features: Expanded chapters on systems-based guiding principles for risk modeling, planning, assessment, management, and communication; modeling interdependent and interconnected complex systems of systems with phantom system models; and hierarchical holographic modeling An expanded appendix including a Bayesian analysis for the prediction of chemical carcinogenicity, and the Farmer's Dilemma formulated and solved using a deterministic linear model Updated case studies including a new case study on sequential Pareto-optimal decisions for emergent complex systems of systems A new companion website with over 200 solved exercises that feature risk analysis theories, methodologies, and application Risk Modeling, Assessment, and Management, Fourth Edition, is written for both undergraduate and graduate students in systems engineering and systems management courses. The text also serves as a resource for academic, industry, and government professionals in the fields of homeland and cyber security, healthcare, physical infrastructure systems, engineering, business, and more.

These notes represent our summary of much of the recent research that has been done in recent years on approximations and bounds that have been developed for compound distributions and related quantities which are of interest in insurance and other areas of application in applied probability. The basic technique employed in the derivation of many bounds is induc tive, an approach that is motivated by arguments used by Sparre-Andersen (1957) in connection with a renewal model in insurance. This technique is both simple and powerful, and yields quite general results. The bounds themselves are motivated by the classical Lundberg exponential bounds which apply to ruin probabilities, and the connection to compound dis tributions is through the interpretation of the ruin probability as the tail probability of a compound geometric distribution. The initial exponential bounds were given in Willmot and Lin (1994), followed by the nonexpo nential generalization in Willmot (1994). Other related work on approximations for compound distributions and applications to various problems in insurance in particular and applied probability in general is also discussed in subsequent chapters. The results obtained or the arguments employed in these situations are similar to those for the compound distributions, and thus we felt it useful to include them in the notes. In many cases we have included exact results, since these are useful in conjunction with the bounds and approximations developed.

Pipe failures in water distribution systems can have a serious impact and hence it's important to maintain the condition and integrity of the distribution system. This book presents a whole-life cost optimisation model for the rehabilitation of water distribution systems. It combines a pipe breakage number prediction model with a pipe criticality assessment model, which enables the creation of a well-constructed and more tightly constrained optimisation model. The pipe breakage number prediction model combines information on the physical characteristics of the pipes with historical information on breakage and failure rates. A weighted multiple nonlinear regression analysis is applied to describe the condition of different pipe groups. The criticality assessment model combines a pipe's condition with its hydraulic significance through a modified TOPSIS. This model enables the optimisation to focus its efforts on those important pipes. The whole life cost optimal rehabilitation model is a multiple-objective and multiple-stage model, which provides a suite of rehabilitation decisions that minimise the whole life cost while maximising its long-term performance. The optimisation model is solved using a modified NSGA-II. The utility of the developed models is that it allows decision makers to prioritize their rehabilitation strategy in a proactive and cost-effective manner.