Fifteenth DOE Conference (1969) – Available from DTIC, Accession Database Number AD875609, \$44.60

Cover

Title

Foreword

Table of Contents

Program

Reliability Applied to Space Flight, John E. Condon

Computer-Aided Solution of Prior Distributions for Generating Monte Carlo Confidence Bounds on System Reliability, Nancy R. Mann

Comparative Analysis of the LCSS-ETG-3 Performance Capability Using Statistical Probabilities, Andrew H. Jenkins

Estimation of Vehicle Parameters for the Given Model: $Y = \theta_1 e^{\theta_2 t} \sin(\theta_3 t)$, John Howerton and D. Ray Campbell

A Method of Improving the Estimation of Variance, John Gurland and J.S. Mehta

A Classification of Bivariate Variance Comparisons, Clifford J. Maloney

Computerized Quality Control as Applied to Upper Atmospheric Data, Oskar M. Essenwanger

A Statistical Model for the Analysis of Simultaneous Two-Station Ionospheric Soundings, Erwin Biser and Richard D'Accardi

Position Location Via Multiple Triangulation, G.A. Stoops and E.L. Spitznagel, Jr.

A General Computational Algorithm for Bayesian Confidence Bounds, R.W. Clark

Exact Lower Confidence Limits on Normal and Lognormal Reliability, R.W. Soanes

Real-Time Simulation Technique for Evaluating a Gyro-Seeker Assembly, Elwood D. Baas

An Empirical Approach to Analysis of the Interaction Characteristics of a Six-Component Rocket Engine Test Stand, Aubrey W. Presson

Interlaboratory Study of a Method for Measuring Ammonium Tetrachlorate Particle Size, Bernard J. Alley

New Analyses and Methods Leading to Improved Target Acquisition Requirements Involving Systems, Geodetic and Re-entry Errors, and Increased Weapons Effectiveness for Conventional Weapons, Hans Baussus von Luetzow

An Air Defense Comparative Model, R.E. Shannon, J.P. Ignizio, and J.L. Stimach

Probabilistic Manpower Planning for the Research and Development Organization, Larry H. Johnson

Analysis of Factorial Arrangement in Non-connected Block Design, Badrig Kurkjian and R.C. Woodall

Design of Field Test Programs and Statistical Techniques for Analysis of the Performance of Navigation and Positioning Systems, Emil H. Jebe and Ralph A. King

A Unified Procedure for Selecting Alternate Experimental Designs, Edwin M. Bartee

A Problem in Continuous Sampling Verification, Mary E. Blome

Toward a Stochastic Model of Terrain, R.H. Peterson and W.C. Taylor

A Suggested Procedure for Analyzing Missile Performance by a Least Squares Fit to a Generalized Linear Statistical Model and a Quick Check for Normality of the Data, Nancy R. Rich

A Use of Reliability Techniques in Army Experiments, D.R. Barr and T. Jayachandran

Optimizing a Four-Part Assay Procedure, Walter D. Foster

An Application of Linear Programming to Experimental Design, J. Richard Moore

Transmission of Infrasonic Waves Generated by Large Missile Launches, Raymond E. Lacy and C.E. Sharp

Determining the Flight Reliability of an Antitank Missile with Side Jets, Robert G. Conard and Nancy R. Rich

Empirical Bayes and the Design and Analysis of Experiments, Richard G. Krutchkoff

Youden Awarded the Samuel S. Wilks Memorial Medal, Frank E. Grubbs

The Use of a Hybrid Computer to Evaluate Man-Machine Performances of Complex Vehicle Control Systems, Myrna L. Toivanen, Bernard S. Gurman and Erwin Biser

Experimental Design Considerations in Validating a Method of Modeling a Man-Organized System, B.B. Lukens and R.A. Brown

An Investigation of the Effect of Some Prior Distributions on Bayesian Confidence Intervals for Attribute Data, Alan W. Benton

Some Techniques for Constructing Mutually Orthogonal Latin Squares, W.T. Federer et al.

On Confidence Limits for the Performance of a System When Few Failures are Encountered, S.C. Saunders

A Probability Model for the Assessment of Human Incapacitation from Penetrating Missile Wounds, William P. Johnson and William J. Bruchey, Jr.

List of Attendees

Report Documentation Page