

**Twenty-seventh DOE Conference (1981) – Available from DTIC, Accession Database Number
ADA118023, \$44.60**

Cover

Title

Open Letter on the New Wilks Award

Foreword

Table of Contents

Program

Recent Developments in Discrete Distributions, N.L. Johnson

The U.S. Army (BRL's) Kinetic Energy Penetrator Problem: Estimating the Probability of Response for a Given Stimulus, Thomas A. Mazzuchi and Nozer D. Singpurwalla

Supermartingales and Criteria for Recurrence and Transience of Markov Chains, Mary Anne Maher

Evaluation of Parameters in AMRA Analysis of Time Series by a Least Chi-Square Method, Richard L. Moore and Francis J. Luzzi

An Application of Renewal Theory to Software Reliability, Leonard A. Stefanski

Methodology for Estimating Mission Availability and Reliability for a Multimodal System, Henry P. Betz

Reliability Predictions for Black Hawk Production Aircraft, Clarke J. Fox

Potential Military Applications of Two-Phase Sampling, Patrick D. Allen and Stephen M. Rasey

Design of a Multiple Sample Westenberg Type Test for Small Sample Sizes, James R. Knaub, Jr.

A Data Based Random Number Generator for a Multivariate Distribution, James R. Thompson and Malcolm S. Taylor

Irregularities in the Error Analysis of a Piece-wise Continuous Function, Paul H. Thrasher

Inference on a Future Reliability Parameter with the Weibull Process Model, Grady Miller

Specifying a Detectable 3-Factor Interaction with the Non-Central F, Walter D. Foster and Jack L. Wray

Should Criteria for Field Tests Be Formulated as Statistical Hypotheses?, Carl T. Russell

Statistical Testing of Large Complex Computer Simulation Models, Carl B. Bates

Selling a Complicated Experimental Design to the Field Test Operator, Carl T. Russell

Long-Term Storage of Army Rations, Edward W. Ross, Jr.

Assuring Quality Through Ballistic Testing, Michael P. McMiller

Comparing Several Groups in a Two-Way Layout Setting, Douglas A. Wolfe

A Mathematical Basis for Tracking Maneuvering Aircraft with Doppler Radar, Donald W. Rankin

Examination of Size Effects in the Failure Prediction of Ceramic Material, D.M. Neal and E.M. Lenoe

The TRASANA Terrain Research Program, Warren K. Olson and D. Hue McCoy

Error Propagation in Physical Models, Jerry Thomas and J. Richard Moore

On Regenerative Processes in Discrete Time, Walter Smith

Errata

Attendance List

Report Documentation Page