

**Eighteenth DOE Conference (1972) – Available from DTIC, Accession Database Numbers
AD776910 and AD776911, \$14.60 each**

Cover

Title

Foreword

Table of Contents

Program

Exploratory Data Analysis as Part of a Larger Whole, John W. Tukey

The Statistics of Directions, G.S. Watson

An Investigation of Wind Frequency Response on the M50 Rocket, Bernard F. Engebos and Abel J. Blanco

Problems in Designing Experiments with Large Numbers of Variables, Roger L. Brauer and Charles C. Lozar

Orthogonal Estimates in Weighing Designs, William G. Lese Jr., and K.S. Banerjee

Computer Construction of Balanced Incomplete Block Designs, Malcolm S. Taylor

On Spurious Correlations for Partially Related Variates, Oskar M. Essenwanger

The Least Squares Analysis of Data Generated by a “Piece-Wise” General Linear Model, Robert L. Launer

Experimental Establishment of Accuracy of Range-to-Function Measurements for Artillery Projectiles, L.D. Clements

An Improved Method of Estimating the Critical Velocity of a Projectile in Penetration Ballistics, G.J. McLaughlin

Evaluation and Scheduling Prototype Requirements for Suitability Testing, Richard B. Cole and William J. Owen

Stopping Rules for Sequencing with Particular Reference to Missile Range Scheduling, Paul H. Randolph

Approximate Confidence Limits for $P(Y < X)$, J.R. Moore and M.S. Taylor

Statistical Evaluation of Flight Test Performance of the Helicopter Lift Margin System (HLMS), Erwin Biser and Ronald Kurowsky

Box Awarded the 1972 Samuel S. Wilks Memorial Medal, Frank E. Grubbs

Automated Radar Data Processing at White Sands Missile Range Featuring Adaptive Filtering with Bias Estimation, W.A. McCool

Algorithm for Editing Bivariate Data Files with Random Spacing in the Independent Variable, L.D. Clements

Statistical Analysis of H.F. Oblique and Vertical Incidence Ionospheric Data Applicable to Field Army Distances, Richard J. D’Accardi and Chris P. Tsokos

Maximum Likelihood Estimation Procedures in Reliability Growth, Larry H. Crow

Modified Propagation of Errors with Applications to Maintainability and Availability, Paul C. Cox

DPG Wind Tunnel Modification and Evaluation, E.G. Peterson, E.E. Covert, and D.L. Hansen

Techniques for Tail Length Analysis, James J. Filliben

Criteria for a Biocellular Model – Biocellular Communication, George I. Lavin

Equation-of-State and Shock Initiation Experiments on Explosives Using Pulsed Electron Beams, L. Avrami and P. Harris

An Analysis of 5.56mm Aluminum Cartridge Case “Burn-Through” Phenomenon, Walter H. Squire and Reed E. Donnard

Statistical Modeling of Propagation Loss Data, M. Acker, R. D’Accardi, D. Dence, and C. Tsokos

Grubbs’ Estimators to Date, Clifford J. Maloney

A System for Position-Location Based on Ranges, Richard H.F. Jackson, James A. Lechner, and David J. Sookne

Approximate Lower Confidence Limit on the Circular Error Probability (CEP) in the Case of Unequal Variances, Edmund H. Inselmann

On the Variation in Mechanical Properties of Large Caliber Gun Tube Forgings, Peter A. Thornton

Sequential and Prior Analysis for 2^k Factorials, J.S. Hunter

Some Recent Advances in Forecasting and Control, G.E.P. Box and G.M. Jenkins

CSP-V: A Continuous Sampling Plan with a Provision for a Reduced Clearance Number, Gary L. Aasheim

The Selection of the Most Meaningful Subset of Responses in a Multiple Response Experiment, Walter D. Foster

Response Surface Analysis for Dual Response Systems, Raymond H. Myers

Optimization of Inprocess Storage Devices Using a GERT III-Q Simulation, Ray L. Peterson

Biased Samples for Testing, John Fargher, Jr.

Methods to Extend the Utility of Linear Discriminant Analysis, Lawrence E. Larsen

List of Attendees