

**Twenty-fifth DOE Conference (1979) – Available from DTIC, Accession Database Number
ADA085633, \$14.60**

Cover

Title

Foreword

Names of Invited Speakers Selected from the First Twenty-Four Conferences

Recipients of the Wilks Memorial Award

Table of Contents

Program

Special Silver Anniversary Address: A Quarter Century of Army Design of Experiments Conferences,
Frank E. Grubbs

Summarizing the Results of a Series of Experiments, William G. Cochran

Robust Filtering and Smoothing of Tracking Data, William S. Agee and Robert H. Turner

*Compound Frequency Distributions: A Method for Estimating Statistical Parameters from an
Adulterated Sample,* Donald W. Rankin

The 1979 Samuel S. Wilks Memorial Award, Frank E. Grubbs

Variance Reduction in Monte Carlo Simulation, Mark Brown, Herbert Solomon, and Michael A.
Stephens

Small Sample Size Effects on Tolerance Limits, Exceedances, James R. Knaub, Jr.

The Periodic Nature of Experimentally Measured Data, Michael Hacskeylo

Variable Transformation in Nonlinear Least Squares Model Fitting, Aivars Celmins

Analysis of Data with the Nonlinear Least Chi Square Algorithm, Richard L. Moore

On the Power of Birnbaum's Test, Ray E. Schafer

Error-Time Response Performance of Naïve Subjects, Michael Hacskeylo and Joseph E. Swistak

Image Interpretation Performance on Four Standard Types of Aerographic Film, Ronald L. Johnson
and Paul J. School

New Algorithms for Nonlinear Least Squares and Bayesian Parameter Estimation, Warren E. Stewart
and Jan P. Sorensen

Roster of Registrants

Report Documentation Page