

## Theses, Dissertations, and Design Projects Supervised

- Manufacturability of Electrolux Rotors- A Statistical Study, D. H. Snuffer, MISE, 1999.
- A Window-Based Computer Software For Taguchi Methods, H-H Hsu, PhD, 1998.
- Diagnostic Checking of Outliers Using State and Disturbance Smoothing Methods, C-H Luo, PhD, 1997.
- Quality Loss Functions and Performance Measures for a Mixed Type Bivariate Response, L-H Huang, PhD, 1996.
- Design Package For Taguchi's Orthogonal Arrays L<sub>27</sub> and L<sub>18</sub> OA's, S. R. Shah, MISE, 1996.
- Developing a Forecasting Model For Star Pipe Co., Prasanna Rao, MIE, 1996.
- Optimal Asymmetric Tolerance Design, Ming-Hsien Caleb Li, PhD, 1995.
- Statistical Tolerance Limits, H-C Chiu, Ms, 1995.
- On the Sampling Distribution of Sample Standard Deviation from Three Selected Parent Populations, C-H Luo, Ms, 1995.
- An Improved package for Use in Teaching Response Surface Methodology, C-P Liu, MS, 1994.
- Computer Aided Simulation of a Rack and Pinion Sub-Assembly Manufacturing Cell, J. L. Rider, MIE, 1994.
- Analysis of Covariance With Two Covariates, H-H Hsu, MS, 1993.
- Extension of Quantiles of the Lilliefors Test Statistic, G-M Wang, MS, 1993.
- Designing Optimal Component Tolerances of a Mechanical Assembly by Incorporating Taguchi's View of Quality, B-W. Cheng, PhD, 1993.
- Quadratic Loss Functions and Signal-to-Noise Ratios for a Bivariate Response, C-L. Chang, PhD, 1993.
- Probability Integrals of a Bivariate Normal Distribution, C-L Huang, Ms, 1993.
- Software Package Utilizing Taguchi's L<sub>12</sub> and L<sub>18</sub> Orthogonal Arrays for Quality Improvement, M.T. Bouchet, MIE, 1993.
- Exact Control Limits for Monitoring Process Variation, C-Y. Chou, PhD, 1992.
- Software Package For Developing a p-chart, M. Ahviphan, MIE, 1992.
- Design and Test of a Telemetric Data Acquisition System for a Profilometer, Nagcarj Tanguturu, MS, 1992.
- Large Sample Quantiles of Mann-Whitney U Statistic, W-C Liao, MS, 1992.
- Software Package Utilizing Taguchi's L<sub>8</sub> and L<sub>16</sub> Orthogonal Arrays for Quality Improvement, D. R. Cagle Jr., MIE, 1992.
- Linear Regression Analysis, C-C Chiu, MIE, 1992.
- Software Package For Developing R, S and X-bar Charts, Y-W Lin, MIE, 1992.
- RSSP- A Fortran Simulation Package for Use in teaching Response Surface Methodology, J. T. Treharne, MS, 1991.
- The Sampling Distribution of the Third Moment Unbiased Estimator for a Weibull Parent Population, C-M Chiang, MS, 1990.

- Reliability and Cost Analysis of Two Software Testing Models, C-J Lin, MS, 1990.
- Economical Decision at the Tolerance Design Stage for Measurable Static Quality Characteristics, B-W Cheng, MS, 1989.
- A Quantification of the Impact of Restraining Systems on Passenger Safety, Y-I Shieh, MS, 1989.
- Characteristics of Resolution III, IV, and V Designs Using Base-2 Taguchi Orthogonal Arrays, K. E. Bullington, MS, 1989.
- Approximation of Semivariances of a Linear Combination of Independently Distributed Random Variables and its Application to Portfolio Selection, C-L Chen, PhD, 1988.
- An Examination of the Adequacy of Shore's Approximations to the Quantiles of Skewed Linear Combinations, T. L. Day, MS, 1988.
- Analysis of Keystroke Patterns for the Development of a security System for Validation of Computer Access, A. S. Honan, PhD, 1988.
- An Examination of Shore's Quantile Approximation for Nearly Symmetrical Linear Combinations, C-Y Chou, MS, 1988.
- The Third Moment Unbiased Estimator and Its Sampling Distribution for Two Selected Parent Distributions, S. M. Stimpson, MS, 1988.
- Inspection Effects on Taguchi's Quality Loss Function for Measurable Static Quality Characteristics, D-W Syu, MS, 1988.
- The Third Moment Unbiased Estimator--Its Exact General Third Moment and Sampling Distribution for Two Selected Parent Distributions, Chiiwen Hu, MS, 1988.
- An Exploratory Forecasting Model Utilizing Arms and Rule-base Expert Systems over Stochastic Time Series Intervention under Supply/Demand processes, P.L. Schillings, PhD, 1988.
- Practical Application of Bayesian Statistics to Capital Budgeting, K. L. Snyder, MS, 1988.
- Normal Quantile Approximations of Certain Symmetrical Linear Combinations, V. S. Bowman, MS, 1987.
- The Third and Fourth Moment Limits Required To Achieve an Adequate Normal Approximation for a Linear Combination of Beta Variates, J. C. Wu, MS, 1987.
- The Algebraic Structure of a  $b^k$  Factorial Design, W-H Chih, MS, 1987.
- The Impact of Restraining Systems on Passenger Safety, M.L. Snook, MS, 1986.
- The Impact of DUI Legislation in the State of Alabama, P. A. Greathouse, MS, 1985.
- The Effects of Inspection Error on Double-Sampling by Attributes, B. K. Bush, MS, 1984.
- The Third and Fourth Moment Limits Required to Achieve 0.01 Accuracy of Normal Approximation for Simple Asymmetrical Linear combinations, M. I-S LO, MS, 1983.
- Fourth Moment Magnitude of Departures of Simple Linear Combinations from Normal Equivalents to Allow Normal Approximation at the 0.01 Accuracy Level, C-L Chen, MS, 1982.

- Determination of Minimum Sample Size in Simple Linear Regression With Non-normal Residuals, P. B. McInnis, MS, 1981.
- On Normal Approximation of Simple Linear Combinations, E. G. Chen, MS, 1980.
- A study of the Asymptotic Distribution of Kendall's Partial Rank Correlation Coefficient and Its Moments, L. L. Pallos, MS, 1979.
- Examination of the Distributions of the Sample Maximum from Different Parent Populations, L. L. Smith, MS, 1976.
- Determination of the Sample Size beyond Which the Distribution of the Sample Standard Deviation is Normal, R. S-S Han, MS, 1974.
- A study of the Significance of the Difference Between Two Means from Normal Populations when the Variances are Unequal, C. T. Lee, MS, 1973.
- An Approximation of the Quantiles of Kendall's Partial Rank Correlation Coefficient Using High Speed Sampling, J. H. Peavy, MS, 1973.
- Reliability Analysis of Unpaced Visual Inspection Tasks, R. G. Wilson Sr., MS, 1973.

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