

CONTENTS

Volume 62 Number 1 February 2020

EDITORIAL

Technometrics 2019 Editor's Report

Daniel Apley

ARTICLES

Multivariate Design of Experiments for Engineering Dimensional Analysis

Daniel J. Eck, R. Dennis Cook, Christopher J. Nachtsheim, and Thomas A. Albrecht

Enumeration and Multicriteria Selection of Orthogonal Minimally Aliased Response Surface Designs

José Núñez Ares and Peter Goos

Projections of Definitive Screening Designs by Dropping Columns: Selection and Evaluation

Atan R. Vazquez, Peter Goos, and Eric D. Schoen

Constructing D-Efficient Mixed-Level Foldover Designs Using Hadamard Matrices

Nam-Ky Nguyen, Tung-Dinh Pham, and Mai Phuong Vuong

Optimal Blocked and Split-Plot Designs Ensuring Precise Pure-Error Estimation of the Variance Components

Ka/Jiopi Mylona, Steven G. Gilmour, and Peter Goos

A New Process Control Chart for Monitoring Short-Range Serially Correlated Data

Peihua Qiu, Wendong Li, and Jun Li

A Diagnostic Procedure for High-Dimensional Data Streams via Missed Discovery Rate Control

Wendong Li, Dongdong Xiang, Fugee Tsung, and Xiao/ong Pu

A Class of Tests for Trend in Time Censored Recurrent Event Data

Jan Terje Kva/0y, and Bo Henry Lindqvist

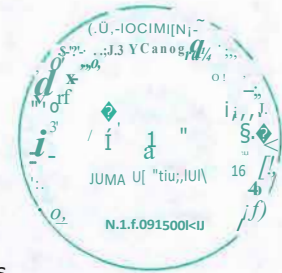
Tensor Mixed Effects Model With Application to Nanomanufacturing Inspection

Xiaowei Yue, Jin Gyu Park, Zhiyong Liang, and Jianjun Shi

Book Reviews

The 2018 *Technometrics* Prizes

2018 Ziegel Award Announcement



1
6
21
37
48
57
71
84
101
116
130
141
145