Henok Abebe 2002
Modeling the Current-Voltage (I-V) Characteristics of the MOSFET Device with Quantum Mechanical Effects due to Thin Oxide near ‘Si/SiO2’ Interface using Asymptotic Methods (JDP with CSULB) Advisor: Ellis Cumberbatch

Shaher Abdallah 2016
General Stability Analysis of Composite Sandwich Plates Under Thermal Load Advisor: Hsin-Piao Chen

Mohammad Abouali 2014
Investigating Castillo-Grone’s Mimetic Difference Operators in Development of Geophysical Fluid Dynamics Models Implemented on GPGPUs (JDP with SDSU) Advisor: Jose Castillo

Sajia Akhter 2013

Abdulrahman Alansari 2019
Risk Assessment for Marine Construction Projects Advisor: Hung Nguyen

Monairah Alansari 2017
Distance in Metric Trees and Banach Spaces Advisor: Asuman Aksoy

Weaam Alhejaili 2018
A Numerical Study of Steklov Eigenvalue Problems Advisor: Chiu-Yen Kao

Collins Allan 2018
Constructive Neural Networks for Function Approximation and their Application to CFD Shape Optimization Advisor: Emelinda Parentela

Martin Ambrose 2011
Adaptive Monte Carlo Algorithms for Continuous and Discrete Transport Problems Advisor: Jerome Spanier

Florent Angly 2010
A Computational Workflow for the Estimation of Environmental Viral Diversity in Metagenomes (JDP with SDSU) Advisor: Forest Rohwer

Yontha Ath 2000
Stochastic Properties of Uniformly Optimally Reliable Networks (and their Graphs) Advisors: Milton Sobel (UC Santa Barbara)

John Aven 2010
Stochastic Dynamics in Coupled Bistable Systems with Applications to Sensor Devices (JDP with SDSU) Advisor: Visarath In

Dariouch Herve Babai 1995

Behrouz Babakhani 2017
Novel Microstrip Patch Antennas with Frequency Agility, Polarization Reconfigurability, Dual Null Steering Capability and Phased Array Antenna with Beam Steering Performance Advisor: Satish Sharma

Eunsil Baik 2012
Dynamics of Two Components Bose-Einstein Condensates (JDP with SDSU) Advisor: Ellis Cumberbatch

David Torres Barba 2011
Assessment of Functional Activity in Isolated Cardiomyocytes using Computational Methods (JDP with SDSU) Advisor: Paul Paolini
Carlos Bazán 2009
PDE-Based Image and Structure Enhancement for Electron Tomography of Mitochondria
(JDP with SDSU) Advisor: Peter Blomgren

Joseph Beasley 2008
Performance Feedback and Control of Solar Concentrators using Wave Front Sensing Techniques
(JDP with CSULB) Advisor: Hen-Geul Yeh
Advisor: Greg Dewey

Vincent Berardi 2016
Analytic Framework for the Design, Implementation, and Analysis of Dynamic, Real-Time Health Interventions
Advisor: Ricardo Carretero

Steven F. Bellenot 1974
Completeness and Reflexivity Properties in Topological Vector Spaces using Standard and Nonstandard Methods
Advisor: Sandy Grabiner

Frank Bergmann 2010
An Integrative Approach to Modeling in Systems Biology
(JDP with KGI) Advisor: Ali Nadim

Susan Anne Elizabeth Berggren 2012
Computational and Mathematical Modeling of Coupled Superconducting Quantum Interference Devices
(JDP with SDSU) Advisor: Antonio Palacios

Eric Besnard 1997
Prediction of High Lift Flows with Separation
(JDP with CSULB) Advisor: Tuncer Cebeci

Ashish Bhan 2004
Structure of Gene Expression Networks Derived from Microarray Time Series Data

Nasima Bhuiyan 2018
Towards Performance Measure Analysis: Development of a Left Turn Saturation Flow Rate Model at Signalized Intersections
Advisor: Emelinda Parentela

Joris Billen 2012
Simulated Associating Polymer Networks
(JDP with SDSU) Advisor: Arlette Baljon

David Atwood Bliss 2012
Periodic Boundary Value Problems and the Dancer-Fucik Spectrum Under Conditions of Resonance
Advisor: Adolfo Rumbos

Theodoros Spyridon Bolis 1971
Differentiable Nuclear Manifolds
Advisor: Robert James

Jeremy Bonifacio 2019
Oscillatory Flow Driven by Cavity
Advisor: Hamid Rahai

Minh Bui 2005
Linear Phase Orthogonal Filter Bank Constructions with Applications to Image and Geometric Approximations
(JDP with CSULB) Advisor: Nick Panagiotacopulos

David Caballero 2011
Discrete Variable Representation of the Angular Variables in Quantum Three-Body Scattering
(JDP with CSULB) Advisor: Alfonso Rueda

Todd Cadwallader-Olsker 2007
Proof Schemes and Proof Writing
Advisor: John Angus

Peter Calhoun 2017
Novel Random Forest and Variable Importance Methods for Clustered Data
Advisor: Juanjuan Fan

Karen Campbell 2017
SEIRscape, an Agent-Based Mosquito-Human Virus Basis of Dengue Risk across Peru and Thailand
Advisor: C. D. Lin

Ronald Caplan 2012
Study of Vortex Ring Dynamics in the Nonlinear Schrodinger Equation Utilizing GPU-Accelerated High-Order Compact Numerical Integrators
(JDP with SDSU) Advisor: Ricardo Carretero

Juan Cepeda-Rizo 2006
Solid and Fluid Mechanics Case Studies in Advanced Electronic Packaging
(JDP with CSULB) Advisor: Hsien-Yang Yeh

Dwayne Chambers 2011
Topological Symmetry Groups of Complete Graphs
Advisor: Erica Flapan

Nicolas Chaumont 2014
From brains to populations: Modeling Animal Interactions with their Environment
(JDP with KGI) Advisor: Animesh Ray
Xiaoyu Che 2013
Joint Modeling and Analysis of Recurrent and Terminal Events
Advisor: John Angus

Paul O. Chelson 1976
Quasi-Random Techniques for Monte Carlo Methods
Advisor: Jerome Spanier

Aisha Chen 2019
Gait and Postural Analysis in Healthy Young Adults and People with Parkinson’s Disease
(JDP with CSULB) Advisors: Shadnez Asgari and Deenila Karishnan

Jerry Chen 2013
Role of the MicroRNA miR-124 in the Regulatory Network Governing PNS Development in Ciona intestinalis
(JDP with SDSU) Advisor: Robert Zeller

Yuan Chen 2019
Free Market on the Freeway
Advisor: Henry Schellhorn

Aisha Najera Chesler 2015
Non-Linear Analysis and Modeling of FHR and ECOG: Predicting Fetal Distress in Labor
Advisor: Ami Radunskaya

Michael R. Chiaro 1977

Patrick Choi 2016
Optimization of the Principal Eigenvalue of an Elliptic Operator with Application to Heat Conductor
Advisor: Chiu-Yen Kao

Todd Coburn 2010
Optimization: NURBS and the Quasi-Newton Method
(JDP with CSULB) Advisor: Ortwin Ohtmer

Cherlyn Lee Converse 1992
Lower Bounds for the Maximum Number of Stable Pairings for the General Marriage Problem Based on the Latin Marriage Problem
Advisor: Henry A. Krieger

Daniel Cuevas 2018
Bridging the genomic gaps: genome-scale metabolic network tools for bioinformatics analyses
(JDP with SDSU) Advisor: Robert Edwards

Jack M. Cuzick 1976
On the Moments of the Number of Curve Crossings by a Stationary Gaussian Process
Advisor: Jerome Spanier

Yousef Daneshbod 2006
Mathematical Models in Microfluidics: Capillary Electrophoresis and Sessile Drop Physics
Advisor: Ali Nadim

Tuan Dao 2019
Solving the Prandtl Boundary Layer Equation in Fluid Dynamics via Non-Linear Numerical Optimization
(JDP with CSULB) Advisors: Chrishtiane Beyer and Ali Nadim

Paul David 2019
A Riemannian Quotient Structure for Correlation Matrices with Applications to Data Science
Advisor: Wei Qin Gu

Dany De Cecchis 2012
Development of a Parallel Coupler Library with Minimal Inter-Process Synchronization for Large-scale Computer Simulations
(JDP with SDSU) Advisor: Jose Castillo

Vladimir Delengov 2018
Computing Eigenmodes of Elliptic Operators on Manifolds Using Radial Basis Functions
Advisor: Chiu-Yen Kao

Johnny Corbino Delgado 2018
SubFlow: Simulating Geological Storage of CO2 Using Mimetic Operators
(JDP with SDSU) Advisor: Jose Castillo

Kameryn Denaro 2017
Quantifying Disease Severity of Cystic Fibrosis Using Linear Quantile Mixed Models
Advisor: Barbara Ann Bailey

Monica de Pass 2006
Wavelet Feature Extraction of High-Range Resolution Radar Profiles using Generalized Gaussian Distributions for Automatic Target Recognition
Advisor: John Angus

Christina Duron 2019
The Distribution of Betweenness Centrality in Exponential Random Graph Models
Advisors: Amy Radunskaya and Johanna Hardin

Mohamed Osman El-Doma 1986
Analysis of Nonlinear Integro-Differential Equations Arising in Age-Dependent Epidemic Models
Advisor: Stavros Busenberg
Azzam Elshihabi 1997
(JDP with CSULB) Advisor: Fumio Hamano

Claudia Rangel Escareno 2003
Modeling Biological Responses Using Gene Expression Profiling and Linear Dynamical Statistical Models
Advisors: John Angus and David Wild (KGI)

Mohammad (Ali Ahmad) Eyadat 2003
Comparative Performance Evaluation of Practical Digital Watermark Embedded Schemes
(JDP with CSULB) Advisors: Samir Chatterjee, Ali Nadim and Dar-Biau Liu

Weifu Fang 1990
Identification of Transistor Contact Resistivity
Advisors: Ellis Cumberbatch and Stavros Busenberg

Katherine Fedorchuk 2005
Condensed History Methods for Monte Carlo Solutions of Photon Transport Problems
Advisor: Jerome Spanier

Jennifer Flenner 2017
Deep Non-Negative Matrix Factorization
Advisor: Blake Hunter

Michael B. Franklin 2013
Electrowetting-Based Microfluidics: Modeling and Simulation
Advisor: Ali Nadim

Michael E. Frantz 1995
On the Interaction of a Cold Front with a Mountain Ridge
Advisor: Ellis Cumberbatch

Jesse Peter Frumkin 2012
Induction of Chromosome Instability by Gene Dosage and Over-Expression in Saccharomyces Cerevisiae
Advisor: Animesh Ray

Samuel H. Fryer 1988
Mathematical Models of Typhoid Fever
Advisor: Kenneth L. Cooke

Mariangel Garcia 2016
Data Assimilation Unit for the General Curvilinear Environmental Model
Advisor: Joe Castillo

Cristina Garcia-Cardona 2013
Multiclass Learning on Graphs: Diffuse Interface Models and Beyond
(JDP with SDSU) Advisor: Allon Percus

Scott Gasner 2006
Cellular Pattern Formation and Noise in O(2) Symmetric Systems
Advisor: Peter Blomgren

Ruben Jeffrey Glueck 2013
Pseudo-Spectral and Kronecker Product Methods for Fourth Order Partial Differential Equations
Advisor: Ali Nadim

Chris Giles Graham 1996
Cooperative Solution Concepts for Multi-Sided Assignment Games
Advisor: William F. Lucas

Gregory Green 1992
Confidence Bounds on Functions of Parameters
Advisor: Janet Myhre

Zhengji Guo 2019
A full asymptotic series of European call option prices in the SABR model with beta=1
Advisor: Henry Schellhorn

Melodie Hallett 2015
Novel Random Forest and Variable Importance Methods for Correlated Survival Data, with Applications to Tooth Prognosis
(JDP with SDSU) Advisor: Juanjuan Fan

Hamza Abid-ali Hamza 1997
Multi-Person Cooperative Games: The Nucleoli Approach Assignment Games
Advisor: William F. Lucas

Carole Hayakawa 2001
Perturbation Monte Carlo Methods for the Solution of Inverse Problems
Advisor: Jerome Spanier

Lingjun He 2016
Semiparametric Varying-Coefficient Mixed Effects Modeling Approaches to Longitudinal Data
Advisor: Jianwei Chen
Shuan He 2019
QoE Driven Multimedia Service Schemes in Wireless Networks
Resource Allocation: Evolution from Optimization, Game Theory, to Economics
(JDP with SDSU) Advisor: Wei Wang

David Heckman 2014
Variations on Markov Chain Monte Carlo Methods: Continuous and Discrete Optimization of Scheduling Problems
Advisor: Alpan Raval

Susan Kay Herring 1992
Statistical Tests for Stochastic Dominance
Advisor: Henry A. Krieger

Daniel Herrlin 2016
Forecasting MLB Performance Utilizing a Bayesian Approach in Order to Optimize a Fantasy Baseball Draft
Advisor: Richard Levine

Huy Hoang 2002
Experimental and Numerical Investigations of Steady Turbulent Jets from Round Ribbed Tubes
(JDP with CSULB) Advisor: Hamid Rahai

Uyen Hoang 2019
Applications of Machine Learning in Cancer Prediction: Renal Cell Carcinoma and Glioblastoma Multiforme
(JDP with SDSU) Advisor: Usha Sinha

Alexander Holland 2019
Modeling and Analysis of Quasi-periodic Signals with Application to Hemodynamics
(JDP with CSULB) Advisors: Ali Nadim and Shadnaz Asgari

Christopher Hovick 2002
Statistical and Structural Dynamic Analysis of the Earthman Perimeter Measure of Tooth and Implant and Damping Capacity
(JDP with CSULB) Advisors: Ortwin Ohtmer and John Angus

Wenzhang Huang 1990
Studies in Differential Equations and Applications
Advisor: Kenneth L. Cooke

Alice A. Huffman 1975
Lifting Isomorphisms Between l-algebras of f-algebras
Advisor: Melvin Henriksen

(Anthony) Kwok Hui 2009
Risk Analysis of Software Development using Bayesian Belief Network and Non-Linear Programming Methods
(JDP with CSULB) Advisors: Dar-Biau Liu and Alpan Raval

Vigen Isayan 2010
t-copula Based Credit Risk Modeling in a Network Economy
Advisor: Henry Schellhorn

Thomas E. Iverson 1975
Extensions of the Theory of the Fractional Calculus with an Application
Advisor: Jerome Spanier

Samuelle Jalali 2012
A New Approach in Blind Equalization of Multipath Wireless Channels
(Joint with CSULB) Advisor: Rajendra Kumar

Saeid Janani 2010
Numerical Simulations of Multi-Confined Jets in Crossflow at Supercritical Pressure
(JDP with CSULB) Advisor: Hamid Rahai

Sixian Jin 2017
Martingale Representation Theorems Based on Malliavin Calculus
Advisor: Henry Schellhorn

Kevin Joiner 2018
Modeling Phage-bacteria dynamics in mucus: An agent based approach to phage therapy
(JDP with SDSU) Advisor: Antonio Luque

Richard L. Jow 1983
Some Contributions to the Theory of Random Sets
Advisor: Richard Vitale

Khalil Antoun Kairouz 2002
Numerical and Experimental Investigations of a Turbulent Junction Flow with Upstream Ribbed Surface
(JDP with CSULB) Advisor: Hamid R. Rahai

Martin Kandes 2016
Modeling the Effects of Inertial Forces on Bose-Einstein Condensates in Rotating Frames of Reference
Advisor: Ricardo Carretero

Di Kang 2018
Modeling and Analysis of Thin Viscous Liquid Films in Spherical Geometry
Advisor: Ali Nadim

Priscilla Kelly 2019
Ultrashort Pulse Shaping Multilayered Aluminum-doped Zinc Oxide Metamaterials
(JDP with SDSU) Advisor: Lyubio Kucnetsoba
<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
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<th>Advisor(s)</th>
</tr>
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<tbody>
<tr>
<td>Alice M. King</td>
<td>1975</td>
<td>Computational Approaches for Descriptor Optimization and Model Development for HIV-1 Drug Design</td>
<td>Sunil Kumar</td>
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<tr>
<td>Darin Koblick</td>
<td>2017</td>
<td>Re-Purposing the Advanced Solar Photon Thruster as a Constellation of Solar Reflectors to Track Debris in Geosynchronous Earth Orbit (JDP with CSULB)</td>
<td>Praveen Shankar</td>
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<tr>
<td>Rong Kong</td>
<td>1999</td>
<td>Transport Problems and Monte Carlo Methods</td>
<td>Jerome Spanier</td>
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<tr>
<td>Yongzeng Lai</td>
<td>1999</td>
<td>Monte Carlo and Quasi-Monte Carlo Methods and their Applications</td>
<td>Jerome Spanier</td>
</tr>
<tr>
<td>John Patrick Lambert</td>
<td>1982</td>
<td>Some Developments in Optimal and Quasi-Monte Carlo Quadrature and a New Outlook on a Classical Chebyshev Problem</td>
<td>Jerome Spanier</td>
</tr>
<tr>
<td>Suzanne L. Larson</td>
<td>1984</td>
<td>Convexity Conditions on a Class of Lattice Ordered Rings</td>
<td>Melvin Henriksen</td>
</tr>
<tr>
<td>Eugene Lavretskey</td>
<td>1999</td>
<td>Neural Networks for Function Approximation and Control System Design</td>
<td>Robert Williamson</td>
</tr>
<tr>
<td>Hieu Le</td>
<td>2004</td>
<td>A Method to Detect Single and Multiple Delamination Problems using a Combined Neural Network Technique and Genetic Algorithm Optimization (JDP with CSULB)</td>
<td>Ellis Cumberbatch</td>
</tr>
<tr>
<td>Jeffrey Ledahl</td>
<td>2016</td>
<td>Bayesian Join Modeling of Longitudinal Visual Field Data with Correlated Binary and Survival Outcomes</td>
<td>Richard Levine</td>
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<tr>
<td>Kimberly Leung</td>
<td>2016</td>
<td>Stochastic Models for Precipitable Water in Convection</td>
<td>Samuel Shen</td>
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<td>Steven Lewis</td>
<td>2007</td>
<td>Bayesian Parameter and Order Estimation in Profile Hidden Markov Models</td>
<td>Alpan Raval</td>
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<td>Liming Li</td>
<td>1995</td>
<td>Quasi-Monte Carlo Methods for Transport Equations</td>
<td>Jerome Spanier</td>
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<td>Alfonso Limon</td>
<td>2009</td>
<td>A Multilevel Framework for PDEs whose Solution Exhibits Fast Transitions (JDP with SDSU)</td>
<td>Praveen Shankar</td>
</tr>
<tr>
<td>Aggie Gloria Ho Liu</td>
<td>1978</td>
<td>Trees, Tree-Like Structures, and Extreme Points in Banach Spaces</td>
<td>Robert James</td>
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<tr>
<td>Zheng Liu</td>
<td>2014</td>
<td>A Bond Option Pricing Formula in the Extended CIR Model</td>
<td>Henry Schellhorn</td>
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<tr>
<td>Shinen Lo</td>
<td>2012</td>
<td>A Fire Spread Model Using Levet Set Methods (JDP with CSULB)</td>
<td>Burkhard Englert</td>
</tr>
<tr>
<td>Patrick Longhini</td>
<td>2005</td>
<td>Nonlinear Dynamics Design and Operation of Advanced Magnetic Sensors (JDP with SDSU)</td>
<td>Antonio Palacios</td>
</tr>
<tr>
<td>Gabriel Lopez-Garza</td>
<td>2003</td>
<td>Resonance and Strong Resonance for Semilinear Elliptic Equations in RN</td>
<td>Adolfo Rumbos</td>
</tr>
<tr>
<td>Haisheng Luo</td>
<td>1995</td>
<td>Curve Estimation and Graduation</td>
<td>John Angus</td>
</tr>
</tbody>
</table>
Jose Alberto Luzardo-Flores 1997
Neural Networks for Approximation and Control of Continuous Time Nonlinear Systems
(JDP with CSULB) Advisor: A. G. Chassiakos

Anna Ma 2018
Stochastic Iterative Algorithms for Large-scale Data
(JDP with SDSU) Advisor: Deanna Needell

Jose Macias 1998
An Approximation Method for Solving Non-Homogeneous Wave Equations and Related Inverse Problems
Advisor: Ellis Cumberbatch

Earl H. Maize 1981
Contributions to the Theory of Error Reduction in Quasi-Monte Carlo Methods
Advisor: Jerome Spanier

Kun Marhadi 2010
Investigation of Progressive Failure Robustness and Alternate Load Paths for Damage Tolerant Structures
(JDP with SDSU) Advisor: Satchi Venkataraman

Philip W. McCartney 1978
On Some Banach Space Properties Related to the Radon-Nikodým Property
Advisor: Robert James

Matthew Michal 2016
Analytical and Numerical Analysis of Lubrication Coating Flow Models
Advisor: Marina Chugunova

Raymond Moberly 2012
Quantization of a Low-Density Parity-Check (LDPC) Decoder
(JDP with SDSU) Advisor: Michael E. O’Sullivan

Jeffrey Louis Molony 1997
Studies of the Geometric Theory: Nonlinear Dynamical Systems
Advisor: Courtney Coleman

Hana Moshirvaziri 2019
Prediction of the Outcome in Cardiac Arrest Patients Undergoing Hypothermia Using EEG Wavelet Entropy
(JDP with CSULB) Advisor: Shadnaz Asgari

Imad Muhi El-Ddin 2009
Advisor: Hedley Morris

Susan Nachawati 2013
DNA Visualization with Sacks Spiral Method: An Application in Genomic Engineering
(JDP with CSULB) Advisor: Forouzan Golshani

Hai Ah Nam 2010
Ab Initio Nuclear Shell Model Calculations of Some Light Nuclei with a Three-Nucleon Force
(JDP with SDSU) Advisor: Calvin Johnson

Rafael Navarro 2012
Dynamical Properties of Bose-Einstein Condensates
(JDP with SDSU) Advisor: Ricardo Caretero

Rodrigo Negreiros 2010
Numerical Study of the Properties of Compact Stars
(JDP with SDSU) Advisor: Fridolin Weber

Dan Manh Nguyen 2002
An Unified Automated Approach to Surface Approximation via Finite Element and Non Uniform Rational B-spline Methods
(JDP with CSULB) Advisors: Ortwin Ohtmer and Ellis Cumberbatch

Dong Nguyen 2000
Reliability Modeling and Evaluation in Computer Networks and Distributed Systems
(JDP with CSULB) Advisors: John Angus and Dar-Biau Liu

Huu Nguyen 2018
Efficient Digital Image Reconstruction/Restoration Using a Novel Application of Markov Random Fields
Advisor: Jon Angus

James Nguyen 2009
A Hardware Implementation of the Level Set Method for Robotic Path Finding with Multiple Obstacle Avoidance
(JDP with CSULB) Advisor: Ali Nadim

Tien Manh Nguyen 1995
Mathematical Modeling and Digital Signal Processing Techniques for Modern Digital Communication Systems
(JDP with CSULB) Advisor: Hen-Geul Yeh

Kieran Nolan 2009
Meta-Scheduling of Level-Set Methods in a Grid Computing Environment
(JDP with CSULB) Advisors: Dar-Biau Liu and Ali Nadim

Giray Ökten 1997
Contributions to the Theory of Monte Carlo and Quasi-Monte Carlo Methods
Advisor: Jerome Spanier
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<tr>
<td>Kim Joseph Olszewski</td>
<td>1998</td>
<td>Concatenated Reed-Solomon and Reed-Muller Codecs with Blind Adaptation for CDMA Antenna Array Systems</td>
<td>R. Kumar</td>
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<tr>
<td>Fred Ovadia</td>
<td>1978</td>
<td>Contributions to the Theory of Fractional Difference Operators</td>
<td>Jerome Spanier</td>
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<td>Seethal Paluri</td>
<td>2016</td>
<td>Cross-Layer Schemes for Enhancing H.264/AVC Video Quality over Wireless Channels</td>
<td>Sunil Kumar</td>
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<tr>
<td>Wen Pan</td>
<td>2019</td>
<td>Data Management on Non-volatile Memory: from Mobile Applications to Large-scale Databases</td>
<td>Tao Xie</td>
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<tr>
<td>Christopher Paolini</td>
<td>2007</td>
<td>A Service-Oriented Architecture for Thermochemical Computation</td>
<td>Subrata Bhattacharjee</td>
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<tr>
<td>Jeho Park</td>
<td>2009</td>
<td>Applications of Cluster Systems</td>
<td>John Angus</td>
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<td>Moein Parsinia</td>
<td>2019</td>
<td>Distributed Mode Selection and Cross-layer Routing Protocol for FDD Nodes in Mobile Ad Hoc Networks</td>
<td>Sunil Kumar</td>
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<tr>
<td>Julien Pierret</td>
<td>2018</td>
<td>Climate Data Computing: Optimal Interpolation, Averaging, Visualization and Delivery</td>
<td>Samuel Shen</td>
</tr>
<tr>
<td>Claudia L. Pinter</td>
<td>1987</td>
<td>The Average Error from the Approximation of Functions and Integrals</td>
<td>Robert Williamson</td>
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<tr>
<td>Jerry Emmett Purcell</td>
<td>1995</td>
<td>Allpass Filters</td>
<td>Ellis Cumberbatch</td>
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<td>Saravana Raman</td>
<td>2017</td>
<td>Simulation of Plethysmographic Environment in Pulmonary Function Studies</td>
<td>Cristopher Druzgalski</td>
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<td>Nan Rao</td>
<td>2019</td>
<td>Cluster Analysis on Stochastic Processes</td>
<td>Qidi Peng and Allon Percus</td>
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<td>Leandro Recova</td>
<td>2014</td>
<td>Applications of Morse Theory to Semilinear Elliptic Boundary Value Problems</td>
<td>Adolfo Rumbos</td>
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<td>Norman Richert</td>
<td>1981</td>
<td>Diophantine Approximation of Complex Numbers</td>
<td>Jerome Spanier</td>
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<td>Beltran Rodriguez-Brito</td>
<td>2010</td>
<td>A Metagenomic Examination of a Solar Saltern in Southern California</td>
<td>Forest Rohwer</td>
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<td>Julia Rossi</td>
<td>2016</td>
<td>Non-Conservative Variational Approximation for Nonlinear Schrodinger Equations and its Applications</td>
<td>Hamid Rahai (JDP with CSULB)</td>
</tr>
<tr>
<td>Otilio Rojas Ulacio</td>
<td>2009</td>
<td>Modeling of Rupture Propagation under Different Friction Laws using High-Order Mimetic Operations</td>
<td>Steven Day and José Castillo (JDP with SDSU)</td>
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<td>Mary Royston</td>
<td>1995</td>
<td>Three-Sided Assignment Games</td>
<td>William F. Lucas</td>
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<td>Eduardo Sanchez</td>
<td>2015</td>
<td>Mimetic Finite Differences and Parallel Computing to Stimulate Carbon Dioxide Subsurface Mass Transport</td>
<td>Jose Castillo (JDP with SDSU)</td>
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<td>Thomas R. Savage</td>
<td>1977</td>
<td>On Some Problems in the Theory of Von Neumann Regular Rings</td>
<td>Melvin Henriksen</td>
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Adeline Schmitz 2007
Constructive Neural Networks for Function Approximation and their Application to CFD Shape Optimization (JDP with CSULB) Advisor: Hamid Hefazi

Henry J. Schultz 1974
Banach and Frechet Algebras of Power Series

Micah Schuster 2015
Systematic Investigation of Operators in Nuclear Systems Advisor: Calvin Johnson

Victor Seguritan 2013
Neural Network Predictions of Protein Function (JDP with SDSU) Advisor: Anca Segall

John Sepikas 2011
Enhanced Lattice Methods for High Dimensional Quadrature Applications Advisor: Jerome Spanier

Lucie Sharpsten 2013
Predicting Glaucoma Progression Using Random Forests for Correlated Binary Response Based on Longitudinally Collected Standard Automated Perimetry Data (JDP with SDSU) Advisor: Juanjuan Fan

Jody Hewychun Shu 2013
Autonomous Voice and Motion Controlled Video Camera System for Instructional Technology Advisor: John Angus

Genivaldo Silva 2017
Who is There and What are They Doing? An Agile and Computationally Efficient Framework for Genome Discovery and Annotation from Metagenomic Big Data Advisor: Robert Edwards

Colette Smirniotis 2018
Transformation and Parameterization in LatticeKrig (JDP with SDSU) Advisor: Barbara Ann Bailey

Jean Suarez Solano 2015
Regularization of Singular Sources for PSIC Computations of Particle-Laden Flows with Shocks (JDP with SDSU) Advisor: Gustaaf Jacobs

Xiaojia Song 2019
Accelerating Data Center Applications through Energy-Efficient Reconfigurable Computing: from Near-Data Processing to Data-Access Reduction (JDP with SDSU) Advisor: Tao Xie

William Spinella 2017

Xun Sun 2015
On the Geometry of Cyclic and Permutation Invariant Lattices Advisor: Leonid Fukshansky

Hiroki Sunahata 2006
Interaction of the Quantum Vacuum with an Accelerated Object and its Contribution to Inertia Reaction Force (JDP with CSULB) Advisor: Alpan Raval

Jennifer M. Switkes 2000
The Geographic Mosaic Theory in Relation to Coevolutionary Interactions between Two Species Advisor: Michael Moody

Shahab Taherian 2015
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