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Javidi, Reza Zand, Mahdi Moghimi and Dastani, Kia 2019.
Dielectrophoretic interaction of two particles in a uniform electric field. *Microsystem Technologies*, Vol. 25, Issue. 7, p. 2699.

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Nawaz, Yasir ...

Numerical Solution of Differential Equations

We propose a three-dimensional mathematical model to describe dynamical processes of membrane fission. The model is based on a phase field equation that includes the Gaussian curvature contribution to ...

On Gaussian curvature and membrane fission

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Linear evolution equations on the half-line with dynamic boundary conditions

The course then addresses finite-difference schemes for the

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solution of partial differential equations arising in finance.
P.Glasserman, Monte Carlo Methods in Financial Engineering,
Springer; R.U.

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Choice, Vol. 49 (5). "This book is aimed at advanced undergraduate and graduate students in mathematics who have a background in single and multivariable calculus, linear algebra, and ordinary ...

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He has authored eighty publications and published two textbooks (Springer, 2003 and 2011). For more than ten years, he has taught a variety of courses: calculus, probability, ordinary, partial, and ...

Professor Stefan Heinz

Williams and her collaborator Yuji Kodama of the Ohio State University used the diagrams to study solutions to the so-called Kadomtsev-Petviashvili (KP) equation describing wave behavior.

The Art of Mathematics in Chalk

From particle systems to partial differential equations, 117--137, Springer Proc. Math. Stat., 209, Springer, Cham, 2017. [8] M. Allen, L. Caffarelli and A. Vasseur, Porous medium flow with both

...

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Alexis F Vasseur

Dr. Mitrea joined the Mathematics Department at Baylor University in August of 2019. Prior to Baylor she has been a faculty at the University of Missouri in Columbia for 23 years, where she held the ...

Dorina Mitrea

More specifically, his areas of interest include Mathematical Physics, Spectral Theory, Operator Theory, Differential Equations, Completely Integrable ... The Callias index formula revisited; with M.

Fritz Gesztesy

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mathematical tools for the ...

ELEC_ENG 495: Introduction to Nonlinear Control Theory

Geometric Partial Differential Equations, The Calculus of Variations ... Lecture Notes in Mathematics 949, Springer-Verlag (1982), 146-158. (with J. Sacks) Minimal immersions of closed Riemann ...

Karen Uhlenbeck

Office Hours: Spring 2021 Course Office hours: Tues/Wed/Thurs 2-3 pm via Zoom: <https://csus.zoom.us/j/867091331> G.R. Kadambi, B.P. Kumar, V. Palade (Editors ...

Sacramento State Faculty B. Preetham Kumar, Ph. D

His research focuses on high-order, parallel numerical methods for solving partial differential equations, including tackling challenges in exascale scientific computing and the modeling

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and ...

Benjamin W. Ong

MA 531:(Graduate Partial Differential Equations and BVPS) at Clarkson MA 739 ... Chapter in "Understanding Complex Biological Systems with Mathematics", Springer, Verlag. 2017: White, D., Honore, S., ...

Diana Terese White

Candidates with strong computational skills (calculus, differential equations, linear algebra etc ... Lenarcic, P. Wenger, Springer, June 2008 Ambike S, & Schmiedeler JP (2008). A time-invariant model ...

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