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Gauss Math Contest 2013

Michael Pevzner, Hideko Sekiguchi



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Computer Aided Systems Theory - EUROCAST 2015 Roberto Moreno-Díaz, Franz Pichler, Alexis Quesada-Arencibia, 2015-12-17 This volume constitutes the papers presented at the 15th International Conference on Computer Aided Systems Theory EUROCAST 2015 held in February 2015 in Las Palmas de Gran Canaria Spain The total of 107 papers presented were carefully reviewed and selected for inclusion in the book The contributions are organized in topical sections on Systems Theory and Applications Modelling Biological Systems Intelligent Information Processing Theory and Applications of Metaheuristic Algorithms Computer Methods Virtual Reality and Image Processing for Clinical and Academic Medicine Signals and Systems in Electronics Model Based System Design Verification and Simulation Digital Signal Processing Methods and Applications Modelling and Control of Robots Mobile Platforms Autonomous and Computing Traffic Systems Cloud and Other Computing Systems and Marine Sensors and Manipulators **A Richer Picture of**

Mathematics David E. Rowe, 2018-02-13 Historian David E Rowe captures the rich tapestry of mathematical creativity in this collection of essays from the Years Ago column of The Mathematical Intelligencer With topics ranging from ancient Greek mathematics to modern relativistic cosmology this collection conveys the impetus and spirit of Rowe's various and many faceted contributions to the history of mathematics Centered on the Göttingen mathematical tradition these stories illuminate important facets of mathematical activity often overlooked in other accounts Six sections place the essays in chronological and thematic order beginning with new introductions that contextualize each section The essays that follow recount episodes relating to the section's overall theme All of the essays in this collection with the exception of two appeared over the course of more than 30 years in The Mathematical Intelligencer Based largely on archival and primary sources these vignettes offer unusual insights into behind the scenes events Taken together they aim to show how Göttingen managed to attract an extraordinary array of talented individuals several of whom contributed to the development of a new mathematical culture during the first decades of the twentieth century **Symmetry in Geometry and Analysis, Volume 1** Michael

Pevzner, Hideko Sekiguchi, 2025-02-09 Symmetry in Geometry and Analysis is a Festschrift honoring Toshiyuki Kobayashi The three volumes feature 35 selected contributions from invited speakers of twin conferences held in June 2022 in Reims France and in September 2022 in Tokyo Japan These contributions highlight the profound impact of Prof Kobayashi's pioneering ideas groundbreaking discoveries and significant achievements in the development of analytic representation theory noncommutative harmonic analysis and the geometry of discontinuous groups beyond the Riemannian context among other areas over the past four decades The first volume of the Festschrift includes a survey article on Kobayashi's innovative contributions to Mathematics emphasizing their influence and introducing new perspectives across various fields Original articles contained in Volume 1 focus on differential geometry with symmetries as well as algebraic and geometric aspects of representation theory of reductive Lie groups and related topics Contributions are by Velleda Baldoni Dan Barbasch Leticia

Barchini Sigiswald Barbier Yves Benoist Sam Claerebout Michael Eastwood Wee Teck Gan William M Goldman Roger Howe Kazuki Kannaka Toshihisa Kubo Hung Yean Loke Jia Jun Ma Reiko Miyaoka Kento Ogawa Takayuki Okuda Yoshiki Oshima Paul mile Paradan Annegret Paul Michael Pevzner Yiannis Sakellaridis Atsumi Sasaki Gordan Savin Hideko Sekiguchi Binyong Sun Yuichiro Tanaka Koichi Tojo Peter Trapa Mich le Vergne Joseph A Wolf Kayue Daniel Wong and Chen Bo Zhu The Mathematical Work of Toshiyuki Kobayashi is available open access under a Creative Commons Attribution 4 0 International License via link [springer.com](https://www.springer.com)

Hermitian-Grassmannian Submanifolds Young Jin Suh, Yoshihiro Ohnita, Jiazuo Zhou, Byung Hak Kim, Hyunjin Lee, 2017-09-14 This book presents the proceedings of the 20th International Workshop on Hermitian Symmetric Spaces and Submanifolds which was held at the Kyungpook National University from June 21 to 25 2016 The Workshop was supported by the Research Institute of Real and Complex Manifolds RIRCM and the National Research Foundation of Korea NRF The Organizing Committee invited 30 active geometers of differential geometry and related fields from all around the globe to discuss new developments for research in the area These proceedings provide a detailed overview of recent topics in the field of real and complex submanifolds

A Contemporary Study of Iterative Methods A. Alberto Magrenan, Ioannis Argyros, 2018-02-13 A Contemporary Study of Iterative Methods Convergence Dynamics and Applications evaluates and compares advances in iterative techniques also discussing their numerous applications in applied mathematics engineering mathematical economics mathematical biology and other applied sciences It uses the popular iteration technique in generating the approximate solutions of complex nonlinear equations that is suitable for aiding in the solution of advanced problems in engineering mathematical economics mathematical biology and other applied sciences Iteration methods are also applied for solving optimization problems In such cases the iteration sequences converge to an optimal solution of the problem at hand Contains recent results on the convergence analysis of numerical algorithms in both finite dimensional and infinite dimensional spaces Encompasses the novel tool of dynamic analysis for iterative methods including new developments in Smale stability theory and polynomiography Explores the uses of computation of iterative methods across non linear analysis Uniquely places discussion of derivative free methods in context of other discoveries aiding comparison and contrast between options

Special Topics in Structural Dynamics, Volume 6 Gary Foss, Christopher Niezrecki, 2025-08-07 This sixth volume of eight from the IMAC XXXII Conference brings together contributions to this important area of research and engineering The collection presents early findings and case studies on fundamental and applied aspects of Structural Dynamics including papers on Linear Systems Substructure Modelling Adaptive Structures Experimental Techniques Analytical Methods Damage Detection Damping of Materials Members Modal Parameter Identification Modal Testing Methods System Identification Active Control Modal Parameter Estimation Processing Modal Data

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