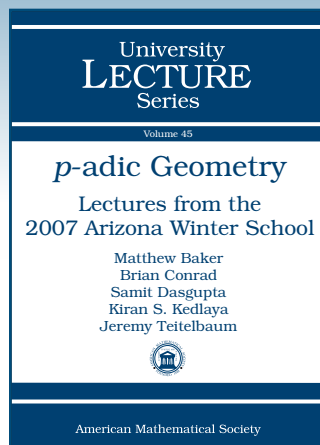


University LECTURE Series

Each book in this series focuses on an important and rapidly developing topic, and is designed to give readers the most current information on the subject area. Some books in the series originated from important lecture series given by outstanding mathematicians worldwide.



p -adic Geometry Lectures from the 2007 Arizona Winter School

Matthew Baker, *Georgia Institute of Technology, Atlanta, GA*, Brian Conrad, *University of Michigan, Ann Arbor, MI*, Samit Dasgupta, *Harvard University, Cambridge, MA*, Kiran S. Kedlaya, *Massachusetts Institute of Technology, Cambridge,*

MA, Jeremy Teitelbaum, *University of Illinois at Chicago, IL*, and edited by David Savitt and Dinesh S. Thakur, *University of Arizona, Tucson, AZ*

Volume 45; 2008; 203 pages; Softcover; ISBN: 978-0-8218-4468-7; List US\$45; AMS members US\$36; Order code ULECT/45

Topology of Tiling Spaces

Lorenzo Sadun, *University of Texas, Austin, TX*

A modern mathematical perspective on tilings achieved through a unique examination of families of tilings

Volume 46; 2008; 118 pages; Softcover; ISBN: 978-0-8218-4727-5; List US\$29; AMS members US\$23; Order code ULECT/46

For more information on this series visit:
<http://www.ams.org/bookstore/ulectseries>

Inevitable Randomness in Discrete Mathematics

József Beck, *Rutgers, The State University of New Jersey, Piscataway, NJ*

Volume 49; 2009; approximately 257 pages; Softcover; ISBN: 978-0-8218-4756-5; List US\$59; AMS members US\$47; Order code ULECT/49

Residues and Duality for Projective Algebraic Varieties

Ernst Kunz, *University of Regensburg, Germany* with the assistance of and contributions by David A. Cox, *Amherst College, MA*, and Alicia Dickenstein, *University of Buenos Aires, Argentina*

Development of local and global duality theory in the special case of algebraic varieties over algebraically closed base fields

Volume 47; 2008; 158 pages; Softcover; ISBN: 978-0-8218-4760-2; List US\$39; AMS members US\$31; Order code ULECT/47

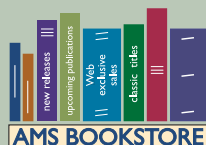
Computational Geometry of Positive Definite Quadratic Forms

Polyhedral Reduction Theories, Algorithms, and Applications

Achill Schürmann, *Otto-von-Guericke Universität Magdeburg, Germany*

Volume 48; 2008; 147 pages; Softcover; ISBN: 978-0-8218-4735-0; List US\$39; AMS members US\$31; Order code ULECT/48

1-800-321-4AMS (4267), in the U. S. and Canada, or 1-401-455-4000 (worldwide); fax: 1-401-455-4046; email: cust-serv@ams.org. American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294 USA



For many more publications of interest,
visit the AMS Bookstore
www.ams.org/bookstore

