Record Nr. UNINA9910299966603321 Approximation Theory XIV: San Antonio 2013 / / edited by Gregory E. **Titolo** Fasshauer, Larry L. Schumaker Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2014 **ISBN** 3-319-06404-5 Edizione [1st ed. 2014.] Descrizione fisica 1 online resource (397 p.) Springer Proceedings in Mathematics & Statistics, , 2194-1009; ; 83 Collana Disciplina 511.4 Soggetti Approximation theory Approximations and Expansions Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references at the end of each chapters. Nota di contenuto Isogeometric Method for the Elliptic Monge-Ampère Equation -- Dual Compatible Splines on non Tensor Product Meshes -- Multivariate Anisotropic Interpolation on the Torus -- A Generalized Class of Hard Thresholding Algorithms for Sparse Signal Recovery -- On a New Proximity Condition for Manifold-Valued Subdivision Schemes --Wachspress and Mean Value Coordinates -- Hermite and Bernstein Style Basis Functions for Cubic Serendipity Spaces on Squares and Cubes -- Suitability of Parametric Shepard Interpolation for Nonrigid Image Registration -- Parabolic Molecules: Curvelets, Shearlets and

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Sommario/riassunto

Polynomial Approximation on the Unit Sphere and the Unit Ball -- Support Vector Machines in Reproducing Kernel Hilbert Spaces versus Banach Spaces.

This volume developed from papers presented at the international conference Approximation Theory XIV, held April 7–10, 2013 in San Antonio, Texas. The proceedings contains surveys by invited speakers, covering topics such as splines on non-tensor-product meshes, Wachspress and mean value coordinates, curvelets and shearlets, barycentric interpolation, and polynomial approximation on spheres and balls. Other contributed papers address a variety of current topics in approximation theory, including eigenvalue sequences of positive integral operators, image registration, and support vector machines. This book will be of interest to mathematicians, engineers, and computer scientists working in approximation theory, computer-aided geometric design, numerical analysis, and related approximation areas.