Minisymposium 3

Approximierungsmethoden und schnelle Algorithmen

Ralf Hielscher (Chemnitz), Stefan Kunis (Osnabrück)

Mittwoch, 21. September   **Seminargebäude, S26**

16:00   Antje Vollrath (Braunschweig)
             A new algorithm for fast Fourier transforms on the rotation group

17:00   Michael Pippig (Chemnitz)
             Parallel fast Fourier transforms and their application to particle simulation

17:30   Frank Filbir (München)
             Approximation on Manifolds

18:00   Brigitte Forster (München)
             Polyzyklische Quotienten und nicht-kommutative Gröbner-Basen

18:30   Jürgen Prestin (Lübeck)
             Quadrature Rules for Scattered Data on Spherical Triangles

Donnerstag, 22. September   **Seminargebäude, S26**

14:00   Holger Rauhut (Bonn)
             Recovery of functions in high dimensions via compressive sensing

14:30   Boris N. Khoromskij (Leipzig)
             Fourier and convolution transforms of m-tensors in log-volume complexity by quantized TT approximation

15:00   Jan Hamaekers (St. Augustin)
             HCFFT: A fast Fourier transformation software library for general hyperbolic cross/sparse grid spaces

15:30   Lutz Kämmerer (Chemnitz)
             Stable interpolation of hyperbolic cross trigonometric polynomials

             16:00h – 16:30h Pause

16:30   Bastian Harrach (München)
             Fast shape-reconstruction in electrical impedance tomography

17:00   Florian Boßmann (Göttingen)
             Model based image pattern recognition in ultrasonic non destructive testing

17:30   Sören Häuser (Kaiserslautern)
             Shearlet Coorbit Spaces: Traces and Embeddings

18:00   Jürgen Frikel (München)
             A new framework for tomographic reconstruction at a limited angular range