Vorträge

Mittwoch, 26. Mai 2010, von 16:15 Uhr – 16:45 Uhr,
Olga Taussky-Todd Seminarraum (C 209), UZA 4
Mathematisches Kolloquium
Prof. Maria Hoffmann-Ostenhof (Universität Wien, Fakultät für Mathematik)
Regularity Results for Many-Particle Coulombic Wavefunctions“

(15:45 Uhr bis 16:15 Uhr: K & K im Common Room)

Abstract:
The time-independent Schrödinger equation for atoms and molecules is an elliptic partial differential equation with singularities in its coefficients stemming from the Coulomb interaction between the particles. A fundamental question is how these singularities effect the local behaviour of the solutions of the equation. To obtain sharp results concerning the regularity and in particular the analytic structure of the solutions it was necessary to develop new mathematical methods, which go beyond the standard regularity theory for elliptic partial differential equations. In this talk joint work with S. Fournais, T. Hoffmann-Ostenhof and T. Østergaard Sørensen is presented.

Dekan Univ.-Prof. Dr. Harald Rindler, V.-Prof. Mag. Dr. Herwig Hauser

Dienstag, 25. Mai 2010, von 15:15 Uhr bis 16:45 Uhr, TU Institut für Diskrete Mathematik und Geometrie, Freihaus, grüner Turm (A), 8. Stock, Zeichensaal, Wiedner Hauptst. 8-10, 1040 Wien
Arbeitsgemeinschaft Diskrete Mathematik
Oliver Bodini: “Multiparametrized Boltzman samplers“
Link: http://dmg.tuwien.ac.at/nfn/

Donnerstag, 27. Mai 2010, ab 14:00 Uhr, Seminarraum C 101, 4. Stock, Freihaus, grüner Bereich, TU Wien, Wiedner Hauptstraße 8, 1040 Wien
WK student Seminar
Dörsek Philipp
Ferraz-Leite Samuel
organized by WPI
Link: http://www.wpi.ac.at/talks_view.php

Donnerstag, 27. Mai 2010, ab 17:15 Uhr, Olga Taussky-Todd Raum (C 209), UZA 4
(Kaffeejause: 17:00 Uhr bis 17:15 Uhr im Common Room)
Dissertantenkolloquium
David Wimmesberger: “ The time-dependent Pauli-Equation; Derivation; Application and Numerics by Example
Link: http://www.mat.univie.ac.at/~disskoll/disskoll/wimmesberger.html

Freitag, 28. Mai 2010, TU, Institut für Diskrete Mathematik und Geometrie, Freihaus, grüner Turm (A), 5. Stock, kleiner Seminarraum 104, Wiedner Hauptstraße 8 – 10, 1040 Wien
Algebra Seminar
Josef Slapal: Convenient closure operators on the digital plane
Link: http://dmg.tuwien.ac.at/nfn/