



Vorträge

Mittwoch, 22. Jänner 2014, ab 16:15 Uhr, Sky-Lounge,
Oskar-Morgenstern-Platz 1, 1090 Wien

Mathematisches Kolloquium

Prof. Dr. Robert Seiringer (Institute of Science and Technology Austria):
“Structure of the excitation spectrum for many-body quantum systems”

***Abstract:** Many questions concerning models in quantum mechanics require a detailed analysis of the spectrum of the corresponding Hamiltonian, a linear operator on a suitable Hilbert space. Of particular relevance for an understanding of the low-temperature properties of a system is the structure of the excitation spectrum, which is the part of the spectrum close to the spectral bottom. We present recent progress on this question for bosonic many-body quantum systems with weak two-body interactions. Such systems are currently of great interest, due to their experimental realization in ultra-cold atomic gases. We investigate the accuracy of the Bogoliubov approximations, which predicts that the low-energy spectrum is made up of sums of elementary excitations, with linear dispersion law at low momentum. The latter property is crucial for the superfluid behavior of the system.*

15:45 Uhr – 16:15 Uhr K & K (Sky Lounge)

Dekan Univ.-Prof. Dr. Harald Rindler, Univ.-Prof. Dipl.-Ing. Dr. Gerald Teschl

Montag, 20. Jänner 2014, von 15:15 Uhr bis 17:00 Uhr, SR 11, Oskar-Morgenstern-Platz 1,
1090 Wien

Arbeitsgemeinschaft Ergodentheorie

Andras Némethy Varga: “On the coupling of standard pairs”

http://mat.univie.ac.at/~zweimueller/AG_ETHY.html

Dienstag, 21. Jänner 2014, von 15:00 Uhr bis 16:30 Uhr,

Seminarraum Biomathematik, 9. Stock, Oskar-Morgenstern-Platz 1, 1090 Wien

Arbeitsgemeinschaft Biomathematik

Mathias Staudigl: “Stochastic stability in games”

Dienstag, 21. Jänner 2014, von 11:15 Uhr bis 12:45 Uhr, SR 12, Oskar-Morgenstern-Platz 1,
1090 Wien

Complex Analysis Seminar

Joaquim Ortega-Cerdà: “Equidistribution of Fekete points”

<http://www.univie.ac.at/complexanalysis/Activities/Seminar2013.html>

Dienstag, 21. Jänner 2014, von 15:15 bis 16:45 Uhr, TU Dissertantenraum, Freihaus, Turm A, 8.
Stock, Wiedner Hauptstraße 8-10, 1040 Wien

AG Diskrete Mathematik Seminar

Stefan Gerhold (TU Wien) : “Disproof of a conjecture by Rademacher on partial fractions”

Link: <http://www.dmg.tuwien.ac.at/nfn.agdm.html>

Donnerstag, 21. Jänner 2014, von 17:00 Uhr bis 18:30 Uhr, Seminarraum 11, 2 Stock,
Oskar-Morgenstern-Platz 1, 1090 Wien

Vortrag im Rahmen des Seminars Finanzmathematik

Lingqi Gu: “Discussion on the article of Giuseppe Benedetti and Luciano Campi (2011)
“Multivariate utility maximization with proportional transaction costs and random
endowment”

http://www.mat.univie.ac.at/~finance_hp/seminarWS13.html

Donnerstag, 23. Jänner 2014, von 16:00 Uhr bis 18:00 Uhr, Josephinum,
SR (Zi. O2.101), Währingerstr. 25, 1090 Wien

KGRC Research Seminar

Victor Selivanov: „More Hierarchies of qcb_0 -Spaces”

http://www.logic.univie.ac.at/Current_talk.html