



UNDERGRADUATE ANNOUNCEMENT

Eigenvalues and Eigenvectors

Dr Hartmut Klauck

Centre for Quantum Technologies
National University of Singapore



Date : 3 September 2009 (Thursday)
Time : 9.30 am – 10.15 am
Venue: SPMS-Executive Classroom 1, MAS-03-06
School of Physical and Mathematical
Sciences

In the lecture, we will introduce the notions of eigenvalues and eigenvectors of real and complex matrices. We will also discuss on existence, computability, eigenspaces and applications.

Speaker Biography

Hartmut Klauck received a Diplom (Master's degree) in computer science from the University of Paderborn in 1995, and a PhD in computer Science from Johann Wolfgang Goethe-Universität in 2000 (Advisor: Georg Schnitger). He was then a postdoctoral fellow at CWI (Amsterdam), spent the year 2002-2003 at the Institute for Advanced Study in Princeton, and another year as postdoc at the University of Calgary. From 2004-2008, he led a "Junior Research Group" at the University of Frankfurt before joining Singapore's Centre for Quantum Technologies this year. His research interests include complexity theory, in particular communication complexity, and quantum computation.

Host: Prof. Bernhard Schmidt, Division of Mathematical Sciences, School of Physical and Mathematical Sciences

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