Mathematics Colloquium

Professor Yakov G Sinai, Princeton University
Friday 18th June 4-5 pm, Room 340 Huxley Building

Title: The Decay of Fourier modes in solutions of the Navier-Stokes System

- Abstract:
  In the case of periodic boundary conditions the Fourier coefficients of solutions decay exponentially. The statement is not valid universally. In particular, in the case of the square there are reasons to believe that these coefficients decay only in a power-like way. The analysis is connected with the Gibbs phenomenon and a new basis in the Hilbert space of

  square-integrable functions on the square

Wine and Canapés reception afterwards in the Huxley Common Room, Level 5, Huxley Building, Please register with Anne Rowlands (a.rowlands@imperial.ac.uk)