



POPULAR LECTURES 2012

Celebrating 30 years

Institute of Education, London – Tuesday 26 June

King Edward School, Birmingham – Wednesday 26 September



David Hilbert

Professor Tim Gowers FRS
University of Cambridge

Can anything be salvaged from the wreckage of Hilbert's dream?

Could we program a computer to do maths at least as well as we do it? This is a formidable challenge, for reasons that Tim Gowers will discuss, but despite the difficulties he will try to persuade you that the answer is yes

Professor Sir Roger Penrose FRS
University of Oxford

On Attempting to Model the Mathematical Mind

In this talk, Roger Penrose introduces the idea of a 'cautious oracle' as a more human version of Turing's oracles (a way of modelling the mathematical mind). He reports on some startling new experiments, which appear to point to new insights into brain activity, and he speculates on how this might relate to the power of human understanding.

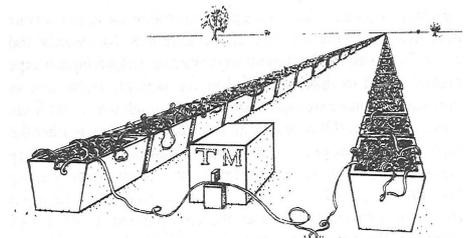


Fig. 2.1. A strict Turing machine requires an infinite tape!

Full abstracts are available on the LMS website at <http://www.lms.ac.uk/content/popular-lectures>

LONDON: Commences at 7.00 pm, refreshments at 8.00 pm, ends at 9.30 pm
Admission is free, with ticket. **Register by Thursday 21 June.**

BIRMINGHAM: Commences at 6.30 pm, refreshments at 7.30 pm, ends at 9.00pm
Admission is free, with ticket. **Register by Friday 21 September.**

To register for tickets, please email Lee-Anne Parker (popular.lectures@lms.ac.uk) or visit the LMS website for a registration form (<http://www.lms.ac.uk/content/popular-lectures>)