

Mathematics Public Lecture



Clay Mathematics Institute

01.10.15

Étienne Ghys

Dancing Vortices

Vortices do amazing things. They dance, they tie themselves in knots, they challenge mathematicians to explain them.

Oxford Mathematics is pleased to host a public lecture during the Clay Mathematics Institute's 2015 Research Conference. The lecture will be given by Étienne Ghys and will be followed by the presentation of the first Clay Award for the Dissemination of Mathematical Knowledge.

Étienne Ghys is a CNRS Directeur de Recherche at the École Normale Supérieure de Lyon.

Nineteenth century observations of the behaviour of smoke rings and fluid vortices inspired an ingenious but misconceived model of the atom, a flawed proposal that nonetheless gave birth to the modern theory of knots. The chain of ideas has now come full circle with recent theoretical and experimental results on the existence of knotted vortices.

5pm – Lecture Theatre 1
Mathematical Institute, Andrew Wiles Building
www.claymath.org

Register at external-relations@maths.ox.ac.uk



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