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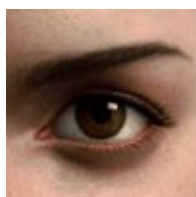
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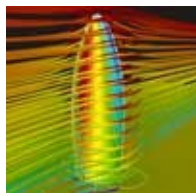
Issue 42

## features...



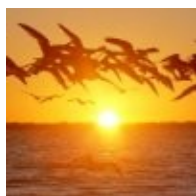
### Maths goes to the movies

Computer generated movies and electronic games: **Joan Lasenby** tells us about the mathematics and engineering behind them.



### Perfect buildings: the maths of modern architecture

*Plus* went to see members of Norman Foster's group of architects to learn about the maths behind architecture.



### Matrix: Simulating the world

#### Part I – Particle models

If you've ever watched a flock of birds flying at dusk, or a school of fish reacting to a predator, you'll have been amazed by their perfectly choreographed moves. Yet, complex as this behaviour may seem, it's not all that hard to model it on a computer. **Lewis Dartnell** presents a hands-on guide for creating your own simulations no previous experience necessary.

features...



"Read Euler, read Euler, he is the master of us all."

Leonhard Euler was one of the most prolific mathematicians of all time. This year marks the 300th anniversary of his birth. **Robin Wilson** starts off a four part series on Euler with a look at his life and work.



### How time does PASS

*Plus* magazine is celebrating its 10th birthday. To mark the occasion, the founding editors of *Plus* look back on the beginnings, see what has changed in maths and public understanding of maths and pick out some of the articles they liked best.



### Career interview: Government Statistician

Emily Poskett works as a government statistician for the Department for International Development. With lots of travel and the opportunity to make a real difference in poorer countries, her job is far more than just number crunching.



*Plus* is part of the family of activities in the Millennium Mathematics Project, which also includes the NRICH and MOTIVATE sites.