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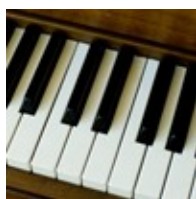
Issue 40

features...



If you can't bend it, model it!

Learn about the aerodynamics of footballs and perfect your free kick.



Music and Euclid's algorithm

What does a mathematician from the 3rd century BC have to do with tuning musical instruments in 17th century Europe? **Benjamin Wardhaugh** tells us about one of the more unusual places you might find Euclid's algorithm being used.



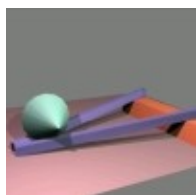
Graphical methods III: the slugs bounce back

In the last article of this three–part series, **Phil Wilson** shows how simple graphs can tell you a lot about the economy and not only in Slugworld.



Unveiling the Mandelbrot set

You've probably seen pictures of the famed Mandelbrot set and its mysterious cousins, the Julia sets. In this article **Robert L. Devaney** explores the maths behind these beauties and shows that they're loaded with mathematical meaning.



Defying gravity: The uphill roller

What goes up must come down or does it? Find out how to cheat gravity with **Julian Havil**.



Career interview: IT project manager Olympic Games

Travel, money, meeting new people, living in new cultures, and a whole lot of sport that's where maths has lead Jamie Clarke, an IT project manager who specialises in international sport projects such as the recent Winter Olympics in Torino. Jamie tells *Plus* how he went from engineering to the Olympics.



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