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features...

Imagine stepping inside your favourite painting, walking around the light–filled music room of Vermeer's "The Music Lesson" or exploring the chapel in the "Trinity" painted by Masaccio in the 15th century. Using the **mathematics of perspective**, researchers are now able to produce three–dimensional reconstructions of the scenes depicted in these works.



Dashing along

Currently, disabled computer users have a hard time inputting text, using laborious word–completion. *Plus* find out how this is changing, thanks to **Dasher**, a new open–source text–entry system based on **arithmetic coding**.



Newton and the kissing problem

In 1694, a famous discussion between two of the leading scientists of the day – **Isaac Newton** and David Gregory – took place on the campus of Cambridge University. The discussion concerned the **kissing problem**, but it was to be another 260 years before the problem was finally solved.



Text, Bytes and Videotape

How can a 3 hour long film like the Lord of the Rings fit on a single DVD? How can you read text messages? How do MP3s make music files smaller, so they can be downloaded faster off the Internet? All these things rely on the mathematics of **data compression**.



Career interview: Military air traffic controller

Geoff Wilson is an air traffic controller for the Royal Air Force. Recently back from Kabul in Afghanistan, he tells *Plus* how logical thinking under pressure is crucial in his job.



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