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Issue 21

Today's digital world with its free flow of information, would not exist without cryptography to guarantee our privacy. *Plus* meets mathematician, author and broadcaster **Simon Singh** to find out about the science of secrecy.



Beyond reasonable doubt

In 1999 solicitor Sally Clark was found guilty of murdering her two baby sons. Highly flawed statistical arguments may have been crucial in securing her conviction. As her second appeal approaches, *Plus* looks at the case and finds out how courts deal with statistics.



Tying it all up

Theoretical physicists are searching for a 'Theory of Everything' to reconcile quantum mechanics and relativity – the two great physical theories of the twentieth century. String theory is a current hot favourite, and some of the world's most eminent physicists tell us why.



Blast it like Beckham?

Plus Magazine

What tactics should a soccer player use when taking a penalty kick? And what can the goalkeeper do to foil his plans? **John Haigh** uses Game Theory to find the answers, and looks at his World Cup predictions from last issue.



Career interview: Games developer

In the real world, balls bounce and water splashes because of the laws of physics. In computer games, a physics engine ensures the virtual world behaves realistically. Mathematician and computer programmer **Nick Gray** tells us about playing God in a virtual world.



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