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Issue 4

Coincidences are familiar to us all but what are the so–called laws of chance? From coin tossing to freak weather events, **Geoffrey Grimmett** explains how probability is at the heart of it all.



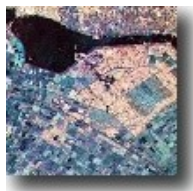
#### Natural frequencies and music

In the first of two articles, **David Henwood** discusses the vibrations that can be harnessed by musical instrument makers.



#### Designing loudspeakers

In his second article, **David Henwood** explains the role of mathematics in the design of Hi–Fi loudspeakers.



#### Image analysis – a modern application of mathematics

New technology has provided us with some amazing images – satellite images, medical images, even images beamed back from Mars. **Julian Stander** tells us about the increasing role of statistics in interpreting them.



Student interview – Andrew Snape

**Andrew Snape**, an A-level student at the City of Stoke-on-Trent Sixth Form College, talks about his A-level studies and interests.



Career interview – Actuarial Student

Find out about what it is like to work as an actuary with Watson Wyatt Partners Worldwide. There's also salary information and a careers contact point.



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