

# New Scientist

WEEKLY 6 June 2026

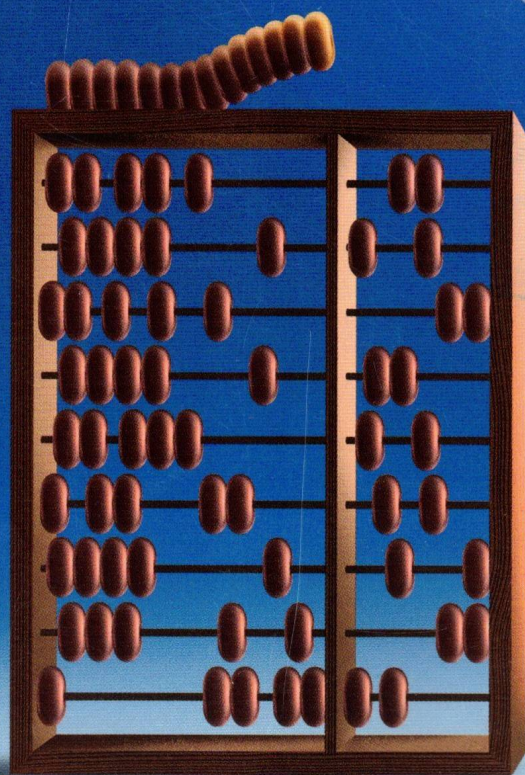
## MATHS REBORN

Existential crisis or new golden age? The biggest ever upheaval in mathematics is here

PIONEERING  
TREATMENTS COULD  
REVERSE HEARING LOSS

CERN'S NEW CHIEF ON  
HOW TO COMPLETE OUR  
PICTURE OF REALITY

VIRUS INJECTION  
STOPS PANCREATIC  
CANCER IN ITS TRACKS



### PLUS

ALICE ROBERTS ON WHAT MAKES US HUMAN /  
**QUANTUM GRANDFATHER CLOCK** /  
LAB-GROWN SPERM / **WHY GOLD IS SO SHINY**

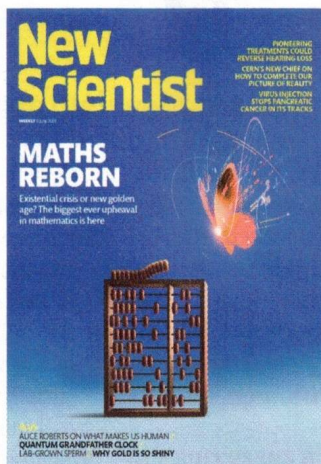
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Existential crisis or new golden age?  
The biggest-ever upheaval in mathematics is here



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Cover image: Adriaà Voltà

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**"We have to face up to the fact that AI will soon be able to prove theorems better than we can"**

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People were using anaesthetic more than 600 years ago

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AI's progress has left some mathematicians wondering if there is still room for humans

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Hearing loss is bad for the whole body, but there are ways to protect this crucial sense

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The Large Hadron Collider is set for a major upgrade

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