

AMERICAN MATHEMATICAL SOCIETY

Current Events Bulletin

Friday, January 6, 2023

2:00–6:00 pm

Ballroom AB, Hynes Convention Center

Joint Mathematics Meetings, Boston, MA

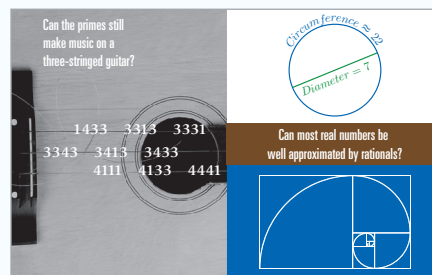
2:00 pm

Andrew Granville
Université de Montréal

Supported by the Bose, Datta, Mukhopadhyay, and Sarkar Fund.

Missing digits, and good approximations

What wonder will be next in the ancient study of the sequence of primes?



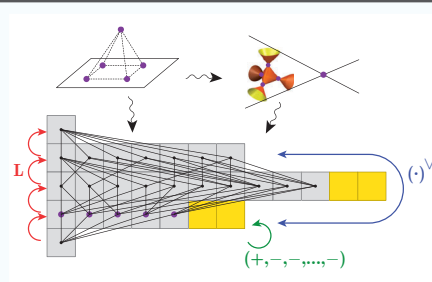
Courtesy of the American Mathematical Society. Color image courtesy of Colinhua / iStock / Getty Images.

3:00 pm

Christopher Eur
Harvard University

An essence of independence: recent works of June Huh on combinatorics and Hodge theory

Matroids, an abstract setting for linear independence are a backbone of combinatorics. Now they have fused with a central part of algebraic geometry over the complex numbers.



Courtesy of the American Mathematical Society. The picture of the Curry paradox image courtesy of Shutterstock.com.

4:00 pm

Henry Cohn
Massachusetts Institute of Technology

From sphere packing to Fourier interpolation

What's with dimension 8 that makes it so special?



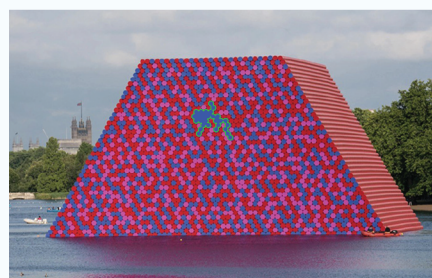
Courtesy of Barnes / iStock / Getty Images Plus.

5:00 pm

Martin Hairer
Imperial College London

A stroll around the critical Potts model

Phase transitions are all around us. Perhaps this is a phase transition in the theory of phase transitions!



Courtesy of the American Mathematical Society. Photograph by Wolfgang Wolz.

Organized by **David Eisenbud**, *University of California, Berkeley*