SIMONS LECTURES IN MATHEMATICS

2011

Steven Strogatz

Cornell University

April 20 • 21 • 22

4:30–5:30pm

**Receptions at 4pm
First and third in room 34-101
Second in room 2-290**

Sync, Balance, and Blog

Lecture 1 Room 34-101
Coupled oscillators that synchronize themselves

Lecture 2 Room 4-370
Social networks that balance themselves

Lecture 3 Room 34-101
Blogging about math for the New York Times

Manjul Bhargava

Princeton University

April 25 • 26 • 27

4:30–5:30pm

**Receptions at 4pm
First and third in room 34-101
Second in room 2-290**

Orbits of group representations and arithmetic

Lecture 1 Room 34-101
From Gauss composition to prehomogeneous spaces

Lecture 2 Room 4-370
Coregular spaces and algebraic curves

Lecture 3 Room 34-101
The average rank of elliptic curves

p_2

p_1

$p_1 + p_2$

p_2

$p_1 +$

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Technology