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IMA Public Lectures

University of Minnesota

Thursday, November 12, 2009

Teaching about the universe through games and 3-D graphics

Jeffrey Weeks, freelance mathematician

When we look out on a clear night, the universe seems infinite, yet this is an illusion. The speaker uses computer games to introduce the concept of a "multi-connected universe." Then, he takes the audience on a tour of interactive 3D graphics to show several possible shapes for space. Finally, he'll show how recent satellite data provide tantalizing clues to the true shape of our universe. This lecture is appropriate for anyone fascinated with space and the universe—from middle school through adulthood.

**Institute for Mathematics
and its Applications**

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**Institute for Mathematics
and its Applications**

University of Minnesota
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207 Church Street, S.E.
Minneapolis, MN 55455

The IMA brings together the best minds in math and the sciences to solve pressing problems facing our society, our industries, and our planet. It receives major funding from the National Science Foundation and the University of Minnesota.

Lecture Details:

Refreshments: 6:30 p.m.

Lecture: 7:00 p.m.

Location: 125 Willey Hall, 225 19th Avenue South
West Bank, University of Minnesota, Minneapolis

Directions:

www1.umn.edu/twincities/maps/WilleyH/index.html

Next lecture:

**From flapping birds to space telescopes: the math
of origami**

Tuesday, February 9, 2010

Robert J. Lang, artist and consultant

For updates on future public lectures:

www.ima.umn.edu/public-lecture

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