

Title: Lecture Series presented by KPMG- Mathematical Art and Artistic Mathematicians

Date: Oct 24, 2009 01:00 PM

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Abstract: From prehistoric times onward, people have always found ways to incorporate mathematical thinking into art. Today, we have sophisticated mathematical machinery that we can use both to understand the rules that underlie historical patterns and to describe new designs of great beauty and originality. Better yet, computers can serve as a powerful artistic tool, helping make these mathematical visions a reality. This talk will explore some of the exciting contemporary work that lies in the intersection of mathematics and art. We will survey the creations of artists and mathematicians, working alone or in collaboration.

A personal (biased) tour through historical and contemporary mathematical art, including some of my work.

**2D Patterns**  
**Origami**  
**Symmetric sculpture**

What you won't see:

Art and physics  
Music and math  
Math and architecture  
The golden ratio  
Art theory  
Dance  
Literature  
Many amazing artists