The Math/Stats Colloquium
Department of Mathematics and Statistics
San José State University

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Pictures beyond geometry

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Abstract: When I was a high school student, the only math class where we drew pictures was geometry, and the pictures we (like the Egyptians and Greeks 3000 years ago) drew were meant to convey information about distances and angles. But in modern mathematics, pictures pop up all over the place, with a variety of different meanings. In this talk I will introduce you to some of my favorite mathematical pictures and talk about the different kinds of meaning pictures can have, in topology, combinatorics, and algebra.

Background: Most of the talk will be accessible to students with a background just in calculus, but one example will require knowledge of abstract algebra.

About the speaker: Emily Peters received her PhD from UC Berkeley and is an associate professor at Loyola University, Chicago. Her research is at the intersection of abstract algebra and mathematical physics.

Colloquium broadcast via Zoom, 3pm Pacific/6pm Eastern
Email tim.hsu@sjsu.edu for an invitation

For more information, see our full schedule at:

http://www.timhsu.net/colloq/