

Yale Quantum Institute presents

Daina Taimina

Mathematician



Crocheting *Adventures* with the *Hyperbolic Planes*:
*how crochet will help you understand *maths**

A sphere has a constant positive curvature, a banana has positive and negative curvature. A surface with constant negative curvature, called a hyperbolic plane, has been traditionally difficult to visualize. While attending a geometry workshop in 1997 at Cornell, Daina Taimina saw the fragile paper

models of hyperbolic planes used by mathematicians to visual theses complex shapes. She decided to try to make more durable models, and did so by crocheting them. Daina's curvy creations, made of yarn, are a great example of art influencing mathematics and vice-versa.

This talk is open to all and will be accessible to students and the wider university public

Tuesday, December 5 at 7:30 pm
Linsly-Chittenden Hall 102, 63 High Street

This event is co-sponsored by The *Franke Program* in Science and the Humanities