Mathematics Awareness Month
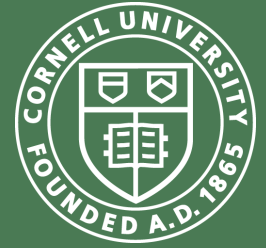
David Swart, Mathematical Artist

The Delightful Geometries of Soccer Balls

You are probably familiar with traditional soccer balls, with their black pentagons and white hexagons. What you may not have noticed is the creative "arms race" that soccer balls have been through in recent years with new graphics and seam patterns appearing all the time. Modern soccer ball designs are in that wonderful intersection between mathematics and art: they allow mathematicians to gain an appreciation for design, and they allow sports fans to learn something about geometry. Even if you're familiar with the latest soccer ball designs, or with spherical geometry, or both, there will likely be something new and interesting to learn from this talk. (You might even learn how to finally draw a decent soccer ball!)
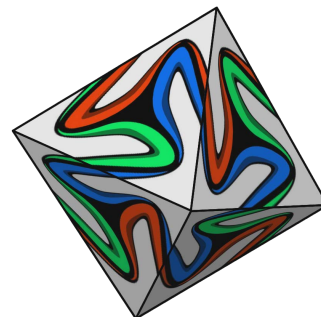
Refreshments will be served at 4:00 p.m. in Malott Hall Rm. 532.

Malott Hall, Rm. 253 (301 Tower Rd., Cornell University)

Parking information and directions: www.cornell.edu/maps