

**PHILADELPHIA AREA
GEOMETRY–TOPOLOGY SEMINAR**

supported by Bryn Mawr, Haverford, and Temple

Rob Kusner

University of Massachusetts

will speak on

**Moduli spaces of CMC surfaces, spherical metrics,
and complex projective structures**

ABSTRACT: Constant mean curvature (CMC) surfaces are the geometric models of bubbles and droplets. While few CMC surfaces can be parametrized explicitly, some of their moduli spaces do have an explicit description; this leads to a remarkable correspondence between these CMC surfaces and complex polynomials.

TUESDAY, 15 SEPTEMBER 2009

LECTURE AT 3:30 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:00–5:00 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS