CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, March 20
2:00 – 3:00 PM
Maria Sanford, Room 101

EMBEDDED CONSTANT MEAN CURVATURE HYPERSURFACES ON SPHERES

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Abstract

In this talk we will explain the construction of a family of embedded constant mean curvature hypersurface on n-dimensional spheres. In particular we will show why every H different from 0 and $\pm \dfrac{1}{\sqrt{3}}$ can be realized as value of the curvature of a CMC non isoparametric surface in S^3. Several pictures of these surfaces will be shown. The paper that this talk refers to was posted by the speaker at www.arXiv.org on March 9, 2009.

For further information:
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