

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, May 14
2:00 – 3:00 PM
Maria Sanford, Room 101

THE GEOMETRY OF SPHERES

MOON DUCHIN

UNIVERSITY OF MICHIGAN

ABSTRACT

The standard (round) sphere can be described as the locus of all points at fixed distance from a basepoint, with respect to the standard (Euclidean) metric. Keep the definition but change the metric, and things can get interesting and complicated! I will discuss the shape of spheres, qualitatively and quantitatively, in a collection of interesting spaces. I'll give applications in the geometry of groups.

For further information:

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