



Speaker: Ricardo Mendes
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Thursday, October 10, 2013
2:00 PM
258 Hurley Hall

Title: Strong positive sectional curvature

Abstract:

(Joint work with Renato Bettiol) We investigate a condition on algebraic curvature operators which lies between positive sectional curvature and positive-definite curvature operator, and which in some sense dates back to at least the work of John Thorpe in the 60's. The two main questions we address are: "which manifolds admitting a metric with positive sectional curvature also admit a metric with strong positive curvature?", and "which constructions preserving positive sectional curvature also preserve strong positive curvature?".