



Speaker: Jörg Enders
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Thursday, April 17, 2008
2:00 PM
258 Hurley Hall

Title: Reduced distance based at singular time in the Ricci flow

Abstract:

Quantities monotone in time are an important tool in the analysis of singularities arising in geometric evolution equations. I will discuss a generalization of a monotone quantity by Perelman along certain complete n -dimensional Ricci flows that become singular in finite time. Then I will talk about how "gradient shrinking solitons" arise in the equality case of the monotonicity and help in the understanding of singularities.