



Speaker: Peter Petersen
University of California, Los Angeles

Thursday, April 27, 2017

2:00 PM

258 Hurley Hall

Title: The Alexeevsky Conjecture

Abstract:

The talk will discuss some general results about homogeneous spaces with Einstein metrics. Quite a lot is known when the Einstein constant is positive. The space is flat when the metric is Ricci flat. In contrast the negative case has been quite difficult to tackle. We'll explain how such metrics might be related to Ricci solitons on homogeneous spaces and also that certain groups in the Levy decomposition of the isometry group can't appear.