



Speaker: Artem Pulemotov
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Thursday, October 11, 2018

2:00 PM

258 Hurley Hall

Title: The Ricci iteration on homogeneous spaces

Abstract:

The Ricci iteration is a discrete analogue of the Ricci flow. Introduced in 2007, it has been studied extensively on Kähler manifolds, providing a new approach to uniformisation. In the talk, we will define the Ricci iteration on compact homogeneous spaces and discuss a number of existence, convergence and relative compactness results. This is largely based on joint work with Timothy Buttsworth (Queensland), Yanir Rubinstein (Maryland) and Wolfgang Ziller (Penn).