

*Department of Mathematics,
University of California San Diego*

Joint Seminar between Geometry (Math 258) and Functional Analysis (Math 243)

Prof. Artem Pulemotov
University of Queensland

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).

Hosts: Lei Ni & Todd Kemp

Tuesday, January 15, 2019
11:00 AM
AP&M 6402
