

BOSTON UNIVERSITY GEOMETRY SEMINAR

# Backwards uniqueness of the Ricci flow

Brett Kotschwar  
(MIT)

Wednesday, Sep. 23, 3-4 pm in PSY B37  
Tea 2:45-3 in MCS 153

**Abstract:** I will discuss the problem of "backwards-uniqueness" or unique-continuation for the Ricci flow, and prove that two complete solutions  $g(t)$ ,  $\tilde{g}(t)$  to the Ricci flow on  $[0, T]$  of uniformly bounded curvature that agree at  $t = T$  must agree identically on  $[0, T]$ . A consequence is that the isometry group of a solution to the Ricci flow cannot expand in finite time.