1051-53-203 Brett L Kotschwar* (kotschwar@math.mit.edu), Massachusetts Institute of Technology, 77 Massachusetts Ave., 2-279, Cambridge, MA 02139. Backwards-uniqueness of the Ricci flow.

I will discuss a unique continuation or "backwards-uniqueness" theorem for solutions to the Ricci flow. The theorem implies, in particular, that the isometry group of a solution cannot expand, nor the solution become self-similar, within finite time. (Received August 25, 2009)