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James Isenberg* (isenberg@uoregon.edu), Institute for Theoretical Science, University of Oregon, Eugene, OR 97403, and **Rafe Mazzeo** and **Natasa Sesum**. *Ricci Flow on Complete Surfaces*.

While the Ricci flow on closed surfaces is well-understood, much less is known about the Ricci flow on open surfaces. After briefly surveying what is generally known and what is still unresolved, we focus on our recent work concerning the behavior under Ricci flow of asymptotically Euclidean and asymptotically conical geometries with nontrivial topology. (Received August 11, 2010)