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Title: Stability of 4-dimensional shrinking Ricci solitons.

Abstract: Dimension 4 is the next horizon for applications of Ricci flow to topology, where the main goal is to understand the topological operations that Ricci flow performs at singular times. Shrinking Ricci solitons model these topological operations, and only the stable ones should arise generically. I will present recent joint works with Keaton Naff that determine the stability of the remaining currently known shrinking Ricci solitons in dimension 4.