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Mao-Pei Tsui* (Mao-Pei.Tsui@Utoledo.edu), Department of Mathematics, The University of Toledo, Toledo, OH 43606. *Mean curvature flow and the deformation of maps between manifolds.*

In this talk, we shall discuss how mean curvature flows (MCF) can be used to study several geometric problems related to maps between manifolds. (Received July 28, 2010)