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530 Church Street, Ann Arbor, MI 48109. *Characterizations of Benoist representations.*

Benoist representations into $\mathrm{PSL}(n, \mathbb{R})$ ($n > 2$) is a large class of Anosov representations whose domain groups are of maximum (virtual) cohomological dimension. In this talk, we are going to provide a characterization of Benoist representations in terms of the existence of limit maps. This is joint work with Richard Canary. (Received January 18, 2020)