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Victor Donnay and **Daniel Visscher*** (davissch@umich.edu). *Constructing embedded surfaces with Anosov geodesic flows*. Preliminary report.

Standard examples of Anosov geodesic flows come from manifolds of negative curvature. Negative curvature is a sufficient but not necessary condition, however—Donnay and Pugh showed the existence of embedded surfaces (thus having positive total curvature) with Anosov geodesic flows. It is not known what the genus of such a surface can be; by a result of Klingenberg, it must be at least two. We construct an embedded surface with Anosov geodesic flow, and thus get a genus for which this is possible. (Received September 22, 2015)