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Tom Farrell and **Andrey Gogolev*** (agogolev@math.binghamton.edu). *Anosov diffeomorphisms constructed from $\pi_k(\text{Diff}(\mathbf{S}^n))$.*

Farrell and Jones constructed codimension one Anosov diffeomorphisms on manifolds that are homeomorphic to tori but have exotic smooth structures. We use a different method to construct Anosov diffeomorphisms of higher codimension on manifolds that are homeomorphic to infranilmanifolds yet have irreducible exotic smooth structures. (Received September 14, 2011)