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Title: Aspherical products which do not support Anosov diffeomorphisms

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Abstract: A famous conjecture of Smale predicts that the only closed manifolds that support Anosov diffeomorphisms are infranilmanifolds. I will explain why the product of infranilmanifolds with certain aspherical closed manifolds do not support Anosov diffeomorphisms. As a special case, we obtain that products of a nilmanifold and negatively curved manifolds of dimension at least three do not support Anosov diffeomorphisms. This is joint work with Andrey Gogolev (Binghamton University).