

## **On the growth rate of leaf-wise intersections.**

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### **Abstract:**

This is joint work with Leonardo Macarini and Gabriel Paternain. We use a variant of Rabinowitz Floer homology to prove that for a closed manifold whose loop space has a sufficiently rich topology, given a starshaped hypersurface in the cotangent bundle, the number of leaf-wise intersection points a generic Hamiltonian diffeomorphism has with it grows exponentially with time.