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## **A finiteness theorem for isoparametric foliations**

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Raum 7.530**

Abstract: Isoparametric foliations are a classical object in submanifold geometry, having been studied for over a century from differential geometric, topological, and algebraic perspectives. In this talk, I will provide a brief introduction to this topic and present the following result, obtained jointly with Manuel Kranich and Marco Radeschi:

In dimensions  $\neq 5$  there are only finitely many distinct foliated diffeomorphism types of isoparametric foliations in simply connected Riemannian manifolds of uniformly bounded geometry and diameter.

