

**Prof. Víctor Sanmartín-López**  
University of Santiago de Compostela

## **Construction and description of new isoparametric hypersurfaces**

**18. Juni 2024– 16:15 Uhr  
Raum 7.530**

Abstract: In this talk, we will start by introducing the notion of isoparametric hypersurface. After that, we will present some well-known classification results concerning these objects and analyse their relation to some other important classes of submanifolds such as: extrinsically homogeneous, of constant principal curvatures, austere or minimal. Finally, we will show a construction method of new examples of isoparametric hypersurfaces in symmetric spaces of non-compact type.

