

Einladung

Würzburger Mathematisches Kolloquium

Julius-Maximilians-Universität Würzburg • Institut für Mathematik

Silvia Sabatini

Universität zu Köln

Numerical Coincidences of Manifolds with Symmetries and Polytopes

Dienstag, 04. November 2025 • 14:15 Uhr

Seminarraum SE41 • Humboldt-Bau (Emil-Fischer-Straße 41, 97074 Würzburg)

Der Vortrag wird auch als Zoom-Meeting übertragen: go.uni-wue.de/ifmcolloquium-zoom

Abstract. In this talk, we will explore some intriguing “numerical coincidences” involving special polytopes and graphs. These include the well-known 12 and 24 phenomena for reflexive polytopes, as well as more general occurrences that go beyond these.

The explanation of these phenomena will be framed in terms of rigidity properties of symplectic manifolds with Hamiltonian symmetries. These properties, in turn, can be applied to the classification of certain special positive monotone symplectic manifolds, which are the symplectic analogues of Fano varieties.



<https://www.mathematik.uni-wuerzburg.de/de/aktuelles/kolloquium>

Alle sind herzlich eingeladen.

Die Dozentinnen und Dozenten der Mathematik

