SEMINARIO

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Mercoledì 24 aprile 2024 ore **15.30**

Aula riunioni, Plesso di Matematica

Title: On 3-nondegenerate CR manifolds in dimension 7

Abstract: I will report on joint works with B. Kruglikov on CR hypersurfaces in $\mathbb{C}^4$ with a degenerate Levi form. I will discuss the symmetry dimension bound for all the 3-nondegenerate 7-dimensional CR real-analytic structures in the context of Beloshapka's conjecture, and present the classification of those that are locally homogeneous. The symmetry bound is achieved on the homogeneous model, which is locally the only homogeneous 3-nondegenerate 7-dimensional CR manifold.

Organizzatore: dott. Stefano Marini