



Universidade Federal do Espírito Santo

Centro de Ciências Exatas

Programa de Pós-Graduação em

Matemática

SEMINÁRIOS DE MATEMÁTICA

Tameness conditions and the Milnor fibrations for composite singularities

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In this work, we introduce a new regularity condition that characterizes the tameness of a composite singularity $H = G \circ F$ in a sharp way. Our approach provides a natural tool that links the topology of the Milnor tube fibrations through the Milnor fibers of the respective components of the map germs F , G and $H = G \circ F$. We also study the invariance of tameness by \mathcal{L} -equivalence, \mathcal{R} -equivalence, and hence by \mathcal{A} -equivalence, and we give conditions for when two component map germs of the composite singularity $H = G \circ F$ being tame implies the third one is tame. As an application, we show how to relate the Euler characteristics of the Milnor fibers of F , G and H to each other.

**Sexta-feira, 01/09/2023, 15h15min, Auditório do prédio da
Pós-graduação do PPGMAT**

Sua presença é bem vinda!