Fixed point theory for spherical 3-manifolds

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The talk is based on the joint work with Daciberg Gonçalves and Xuezhi Zhao

Session: 35. Topological fixed point theory and related topics

Let M be a closed 3-manifold with S^3-geometry and $f : M \to M$ a self map. We determine the value of $N(f)$, the Nielsen number of f. If time permits, I will discuss the problem of determining possible degrees of maps between any two such spherical 3-manifolds and application to coincidences.