YEDİTEPE UNIVERSITY

YEDITEPE MATHEMATICS DEPARTMENT
25TH YEAR SEMINARS

Classical and New Plumbings Bounding Contractible Manifolds and Homology Balls

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Abstract: A central problem in low-dimensional topology asks which homology 3-spheres bound contractible 4-manifolds and homology 4-balls.In this talk, we address this problem for plumbed 3-manifolds and we present the classical and new results together. Our approach is based on Mazur's famous argument which provides a unification of all results in a fairly simple way.

Date: Mar 5, 2021; Friday

Time: 16:00

Place: Zoom.