

Artin Presentations: a new theory of smooth 4-manifolds with applications to modern physics.

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007 Kemeny Hall, 4:00 pm
(Tea 3:30 pm 300 Kemeny Hall)

Abstract

Artin presentations are discrete equivalents of planar open book decompositions of closed oriented 3-manifolds. An Artin presentation also determines a canonical smooth 4-manifold bounding the 3-dimensional open book. We will discuss several aspects of this discrete theory of smooth 4-manifolds.