

Link and Graph-Imbedding Models for Cyclic Weaving on Surfaces

Date Tuesday, April 14

Time 5:30 pm

Location 303 Mudd

Abstract: We extend graph rotation systems into a solid mathematical model for the development of an interactive-graphics cyclic-weaving system. It involves a systematic exploration and characterization of dynamic surgery operations on graph rotation systems, such as edge-insertion, edge-deletion, and edge-twisting. This talk explains the underlying mathematics and some high-level aspects of the programming system for the interactive-graphics system.