

Rational links in Farey complexes

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Rational tangles were introduced by Conway as a family of tangles in bijection with the rational numbers. This correspondence can be described algebraically by relating the construction of rational tangles to the operations involved in continued fraction expansions.

In this talk, we will explore various ways to visualize this connection through some generalizations of the Farey triangulation. These perspectives provide tools for deriving upper bounds on geometric invariants of rational links.