LMS Undergraduate Summer School

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Colloquium

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Quiver mutations and triangulated surfaces

Abstract

Quiver mutations arise within the recent theory of Cluster Algebras that was introduced by Fomin and Zelevinsky in 2002, and since then turned out to be connected to numerous different fields in mathematics and mathematical physics. In this talk we will introduce quiver mutations and will show some connections to triangulated surfaces. The work is joint with Pavel Tumarkin and Michael Shapiro.