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# CLUSTER ALGEBRAS, QUIVER MUTATION AND TRIANGULATIONS

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## Abstract

Cluster algebras have been introduced a decade ago by S. Fomin and A. Zelevinsky. The original goal was to provide an algebraic framework for phenomena occurring in dual canonical bases of (quantized) universal enveloping algebras and of total positivity in algebraic groups in order to get a better understanding. Whereas these original goals are still open, connections from cluster algebras to various other areas in Mathematics have been discovered since. We explain how cluster algebras arise from triangulations of bordered surfaces.

**Date :** Monday, May 27, 2013

**Time:** 14:00

**Place:** IMBM Seminar Room, Boğaziçi University South Campus