

An invitation to Hecke-Kiselman monoids

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Abstract

The $q = 0$ version of Hecke algebras may be read as the monoid algebra of semigroups known as Hecke monoids. They admit special quotients which were first introduced by Kiselman in a convexity theory setting. I will give a brief introduction to Kiselman quotients of Hecke monoids, discussing their finiteness and describing some natural monoid action realizing them in terms of dynamical systems on graphs.