Título: Preprojective algebras and Coxeter groups

Abstract: Let Q be a finite quiver without oriented cycles and k an algebraically closed field. Then there is an associated preprojective algebra and an associated Coxeter group, where we recall the definitions. It is often fruitful to consider both together, for a fixed Q. We discuss examples illustrating this.

When Q is Dynkin, then the Coxeter group (also called Weyl group in this case) is a finite group which is known to be a lattice.
At the end we discuss some recent work with Iyama, Reading and Thomas on lattice quotients of W.