Thomas: "Dual" Garside structures for finite-type Artin groups via quiver representations

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Relations Tikuij = Tikuu Tikuu

Today: A uniform proof of a similar presentation in the finite, affine and right angled cases. (other than the non-crystallographic Finite reflection groups)

The presentation: (W is simply head)

Let Q be the quive of birth of it mij = 3, put an arrow in original in it mis = ~ put many arrows in in it mis = ~ put many arrows in in it is in it many arrows.

A representation $X > F Q = is "exceptional" 4.40 if it is indecomposable and <math>Ext'(X_1X) = 0$.

 E_1 ... E_r is an exceptional sequence if E_i are exceptional & E_r $(E_i) = H_{on}(E_i, E_i) = 0$

There is a presentation D 60 the Artin group, whose generates are "exceptonal quivers" and whose valations come from "mutations of exceptional sequences".