

An analogue of the Robinson-Schensted-Knuth algorithm in affine type A
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Abstract:

The Robinson-Schensted-Knuth (RSK) insertion procedure has a natural interpretation in terms of crystals in type A . In this talk, I make explicit a particular crystal isomorphism for Fock spaces representations of $\mathcal{U}_q(\widehat{\mathfrak{sl}}_e)$. This gives a combinatorial procedure generalising the RSK correspondence to the affine case.