Queen's Algebraic Geometry
— Seminar —

Three combinatorial models for affine $\mathrm{sl}(n)$ crystals

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Abstract

We present some combinatorial descriptions of affine $\mathrm{sl}(n)$ crystals. These are similar to other models which appear in the literature, but the exact forms we use have some advantages; we see that the generating function of cylindric partitions is a specialization of the Weyl character formula, and also observe some well known forms of level-rank duality.

Tuesday, December 9, 2008
2:30pm – 4:00pm
319 Jeffery Hall