

MATHEMATICS DEPARTMENT
North Carolina State University

ALGEBRA SEMINAR

Wednesday, October 20, 2004

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NC State University

Crystals for Demazure Modules

ABSTRACT: Crystals associated with integrable representations of quantum affine algebras provide an useful tool for its combinatorial analysis. The crystals for the Demazure modules are given recursively as a subset of the crystal for the associated integrable representation. We will start with the basic concepts of crystals and discuss the tensor like structure of certain Demazure crystals. The talk will be based on a recent paper jointly with Vicky Williams.

2:35 - 3:25pm HA 335

Faculty and Students are invited to attend.