

COLLOQUIUM

DEPARTMENT OF MATHEMATICS AND STATISTICS
OAKLAND UNIVERSITY
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Introduction to crystals of tableaux

Abstract

The interplay between representation theory and combinatorics has been studied for many years. A more recent development in this connection is the notion of a crystal, due to Kashiwara, which may be represented as a colored, directed graph, with Young tableaux as its vertices. My goal is to give a brief introduction to crystals and explain why they're useful. As an application, we will explain how this Young tableaux realization of certain crystals applies to a important formula appearing in automorphic forms.

Tuesday, October 27, 2015
3 - 4 PM
Room 135 Dodge Hall

(Refreshments at 2:30-3:00 PM in the kitchen area adjacent to 368 MSC)