

# Integrality of NIM-reps

Elaine Beltaos

*Grant MacEwan University, Edmonton, Alberta, CANADA*  
[beltaose@macewan.ca]

A NIM-rep is a non-negative integer matrix representation of a fusion ring. Fusion rings are found in many areas of mathematics, most notably in conformal field theory, and can be associated with affine Lie algebras. In this talk, we will investigate the integrality properties of affine algebra NIM-reps.

---