

# Queen's Algebraic Geometry — Seminar —

## TORIC VARIETIES AS FINE MODULI SPACES

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### Abstract

We will introduce a multigraded variant of a linear series on a toric variety. Under some assumptions, this embeds the toric variety into a fine moduli space of representations of a quiver — the quiver encodes the data from the multigraded linear series. In certain cases, this provides a “resolution of the diagonal”. This is joint work with Alastair Craw.

Monday, April 3, 2006  
4:00pm – 5:00pm  
202 Jeffery Hall