

# Queen's Algebraic Geometry — Seminar —

## CONSTRUCTING CALABI–YAU VARIETIES

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### Abstract

After the inception of (the conjectural) string theory, Calabi–Yau varieties have become very interesting to both mathematicians and physicists, in particular, Calabi–Yau threefolds. Unfortunately, they are incredibly difficult to study in full generality.

We will discuss a method to construct families of Calabi–Yau varieties from families of smaller dimensional Calabi–Yau varieties, how these families are particularly amenable to study, and the importance of this construction in string theory.

Monday, 30 November 2015  
16:30–17:30  
319 Jeffery Hall