

# Queen's Algebraic Geometry — Seminar —

## SEPARATING INVARIANTS

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### **Abstract**

One of the main objectives of invariant theory is to find invariants that separate orbits under group actions. In this talk the concept of separating invariants, as opposed to generating invariants, will be discussed. It turns out that separating invariants have some surprisingly nice properties. In particular, the behavior of separating invariants under polarization will be discussed. This leads to a new, characteristic-free version of Weyl's theorem.

Monday, October 4, 2004  
2:30pm – 3:30pm  
319 Jeffery Hall