

# Queen's Algebraic Geometry — Seminar —

## THE SECTION CONJECTURE AND SERRE'S OPEN IMAGE THEOREM

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### Abstract

The section conjecture encodes rational points on curves over number fields in terms of certain group theoretical data. I will attempt to explain a relationship between this conjecture and Serre's open image theorem in the case of hyperelliptic curves.

Monday, October 1, 2007  
4:30pm – 5:30pm  
319 Jeffery Hall