

## Number Theory Seminar

# Integral and rational points on cubic hypersurfaces

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ABSTRACT: Given an arbitrary cubic polynomial  $f$  defined over the integers, when does the hypersurface  $f = 0$  contain a non-trivial integral or rational point? In this talk, which reports on joint work with Heath-Brown, I will discuss how the Hardy-Littlewood circle method can be used to give a partial answer to this question.

**Date:** Friday, 01.06.2007 at 14.15pm

**Place:** HWZ (HG G43)

G. Wüstholz