

SPEAKER: Roger Heath-Brown

TITLE: Artin's Conjecture on Zeros of p -Adic Forms

ABSTRACT: This will be an exposition of work on Artin's Conjecture on the zeros of p -adic forms. A variety of lines of attack will be described, going back to 1945. However there will be a particular emphasis on recent developments concerning quartic forms on the one hand, and systems of quadratic forms on the other.