THE FIELDS INSTITUTE FOR RESEARCH IN MATHEMATICAL SCIENCES

POSTDOCTORAL/GRADUATE STUDENT
SEMINAR SERIES ON L-FUNCTIONS

SPEAKER:

RAYMOND ROSS
The Fields Institute

On the Topic:

K_2 of Fermat Curves with Divisional Support at Infinity

Let F_p be the Fermat Curve of exponent p, with p a prime. We investigate a subgroup of $K_2 F_p$ which is analogous to one constructed by Beilinson for modular curves. We determine the image of this subgroup under the regulator map, and in some cases we can relate this to an L-value in the manner predicted by the Beilinson conjectures.

Wednesday, November 3, 1993

3:30 pm, Room 3018

at

The Fields Institute