

Soumya Das

Research Summary:

Submitted my Msc. dissertation titled, “The Brauer-Hasse -Noether theorem for Number fields”, under the supervision of Dr. Chandan Singh Dalawat. Some simplifications of proofs from Jürgen Neukirch’s book titled, “Cohomology of Number fields” were done. The main result was the computation of the Brauer group of a Number field. Currently I am working on the problem of determining the Brauer-Wall group of a number field, based on the above mentioned result.

Conference/Workshops Attended:

1. *ISI Workshop on Group theory*, India, January, 2007.
2. *International Conference on Number theory and Cryptography*, India, February 2007.

Visits to other Institutes:

1. Indian Statistical institute, Bangalore, India, December-January 2007.

Other Activities:

1. *Graded Brauer groups*, Graduate Seminar, Harish Chandra Research institute, Allahabad, January 2007.