## 1030-14-47Tanush Shaska\*, 367 Science and Engineering, Oakland University, Rochester, MI 48309.<br/>Equations of curves with automorphisms.

Determining the equation of an algebraic curve with given automorphism group is a classical problem of algebraic geometry. In this talk we will discuss some of the techniques used to determine such equations. Furthermore, we will give parametric equation for all genus four curves with non-trivial automorphism group. (Received July 03, 2007)