Speaker: Avinash Sathaye

Title: A curious question on Field Extensions

Abstract: Given an irreducible polynomial f(x) over a field k of characteristic zero, we consider the field extension L=k(t) where t is a root of f(x). The general question is whether L=k(s) where s=f'(t) = the derivative of f(x) evaluated at t. I will discuss a motivation for the question, known cases and other related question which will imply the result.