

Nepal Algebra Project(NAP)
Central Department of Mathematics
Tribhuvan University, Kirtipur, Kathmandu, Nepal
Fields and Galois Theory

Course Instructor: Prof. Kalyan Chakraborty

Summary of NAP: Module 5 - Lecture 5

- Proved 'Hilbert's theorem 90' and deduced the parametrisation of the 'Pythagorean triplets' as an application of this theorem.
- We discussed the cyclic extensions of general degree n when the base field contains a primitive n -th root of unity. Then the characterisation of such extensions were shown.