

Date: 01-14-2011

Day 03

Chapter 10

Vectors and the Geometry of space

Lecture 1

- Quick revision of algebra of vectors.
- When are two vectors equal?
- When are two vectors parallel?
- Norm of a Vector
- Unit Vectors
- Standard unit vectors
- Quick listing of the properties of vector
(Discussed in Recitation)
- Definition of Dot Product
- Properties of Dot Product
- Geometric definition of Dot Product
- Equality of the two definitions(Continue Next Time)
- Consequences of the above equality(Next Time)