

MTH 412 FIELD THEORY: (3 Units) (L30: PO: T 15)

Gradient, divergence and curl: Further treatment and application of the differential definitions. The integral definition of gradient, divergence and curl: Line, surface and volume integrals: Green's Gauss' and Stroke's theorems. Curvilinear coordinates. Simple notion of tensors. The use tensor of notation. MTH -300. Pre-requisite.