

Chapter 01

ELECTRIC CHARGES AND FIELDS

Electric flux(ϕ):

$$\phi = \vec{E} \cdot \vec{A} = EA \cos \theta$$

(or)

$$\phi = \int \vec{E} \cdot d\vec{A}$$

S.I unit : Vm (or) Nm²/C.

For a closed body, outward flux is taken to be positive while inward flux is taken to be negative.

