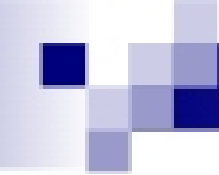





Physics 213

General Physics

Lecture 3

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- Last Meeting: Electric Field, Conductors
 - Today: Gauss's Law, Electric Energy and Potential

Electric Flux

Field lines penetrating
an area A
perpendicular to the
field

The product of EA is
the flux, Φ

In general:

$$\Phi_E = EA \cos \theta$$

