



Gaussian Surface
closed 3D shape (Imaginary)

~~Flux~~ Flux = Field that passes
through a surface

$$\Phi_E$$

Gauss's law: $\Phi_E = \frac{Q}{\epsilon_0}$

total charge
enclosed by a
gaussian surface

$$F_g = \frac{G M_1 M_2}{r^2}$$

$$F_e = \frac{k q_1 q_2}{r^2}$$

$$U_g = \frac{G M_1 M_2}{r}$$

$$U_e = \frac{k q_1 q_2}{r}$$

New



Field

$$\vec{G} = \frac{G M}{r^2}$$

$$\vec{E} = \frac{k q}{r^2}$$

