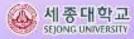






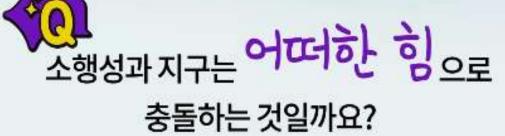
4주차 만유인력과 천체의 운동 만유인력의 법칙







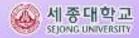


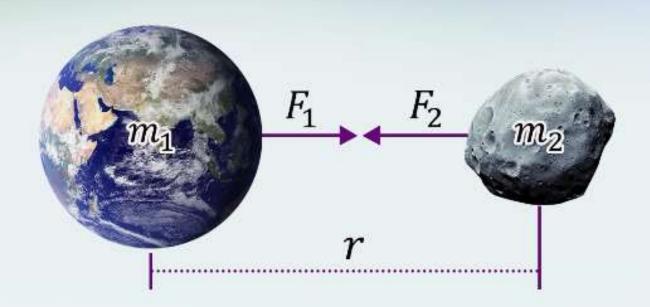






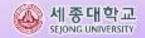
#### 4주차 만유인력과 천체의 운동 I 만유인력의 법칙











## 만유인력

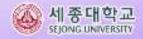
$$\vec{F}_{grav} = -\frac{G}{4} \frac{m_1 m_2}{|\vec{r}|^2} \hat{r}$$

만유인력 상수 6.67 ×10<sup>-11</sup>Nm²/kg²



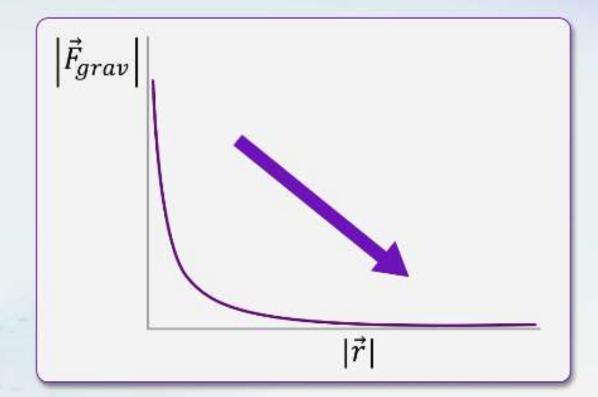


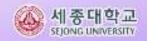
질량을 가진 두 물체는 물체 질량들의 곱에 비례하고 거리의 제곱에 반비례하는 인력이 작용





# 만유인력













# 만유인력

$$\vec{F}_{grav} = -G \frac{m_1 m_2}{|\vec{r}|^2} \hat{r}$$

### [자료 출처]

- \* 게티이미지뱅크(https://www.gettyimagesbank.com/)
  - 957684910, 957888960, 509167224

