

Your Name
Physics 162
Aug. 30, 2023
Dr. Dennis Brown

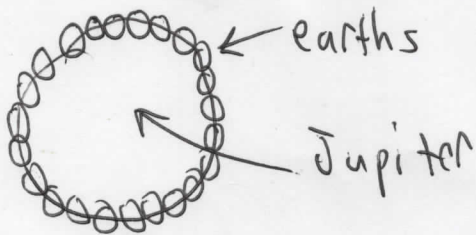
Problem Set # 1

① The light we see tonight from a star 230 light years away left it 230 years ago

② It is false that an astronomical hypothesis is a piece of knowledge that every astronomer accepts.

③
$$\frac{43926 \text{ Km}}{1 \text{ Jupiter circumference}} \times \frac{1 \text{ earth diameter}}{12756 \text{ Km}} = \frac{43926}{12756} \frac{\text{earth diameters}}{\text{Jupiter circumference}}$$

$$= 34 \text{ Earth diameters can fit side by side around the perimeter of Jupiter}$$



④ Graphical Problem in Expert TA: put astronomical objects in the box in order of size from smallest to largest

