



$$215 \text{ Te} \times g \times \sin \theta \times 5144 = 215 \text{ Te} \times g \times \cos \theta \times 2580$$

$$\therefore \frac{\sin \theta}{\cos \theta} = \frac{2580}{5144}$$

$$\text{But } \frac{\sin \theta}{\cos \theta} = \tan \theta = \frac{2580}{5144}$$

$$\tan^{-1} \theta = 26.6363^\circ$$

Max Angle 26.6363°