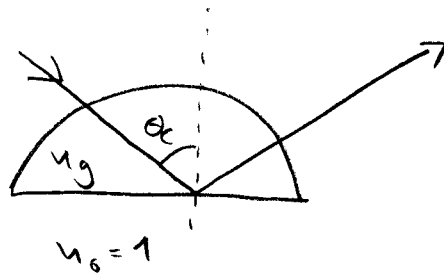


123

Pb

Pb 2-8

①



$$\theta_c = 41.1^\circ$$

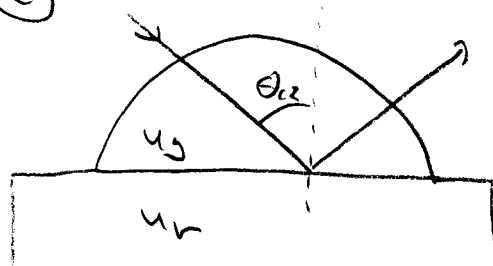
$$n_g = ?$$

Given for total reflection:

$$n_g \cdot \sin \theta_c = 1 \cdot \sin 90^\circ = 1$$

$$\Rightarrow n_g = 1.521$$

②



$$\theta_{c2} = 63.5^\circ$$

$$n_v = ?$$

Total ref.

$$n_g \cdot \sin \theta_{c2} = n_v \cdot 1$$

$$\Rightarrow n_v = 1.36$$