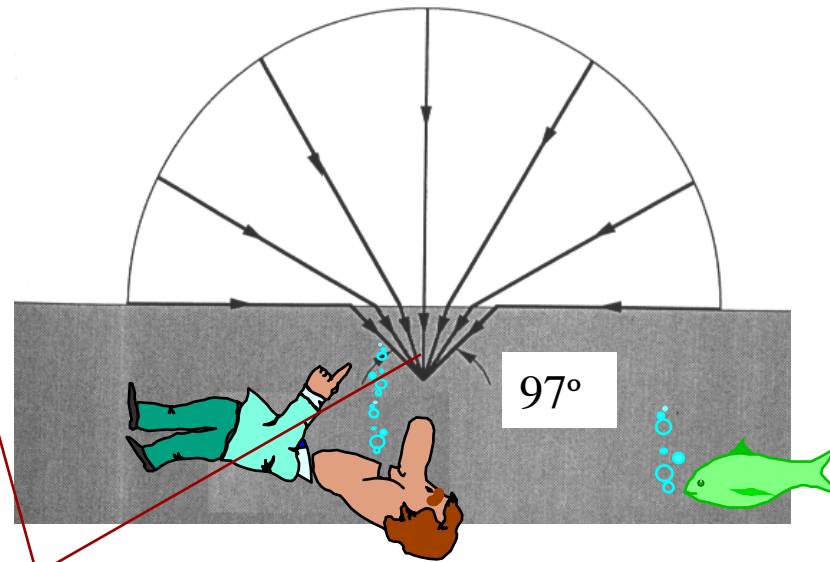
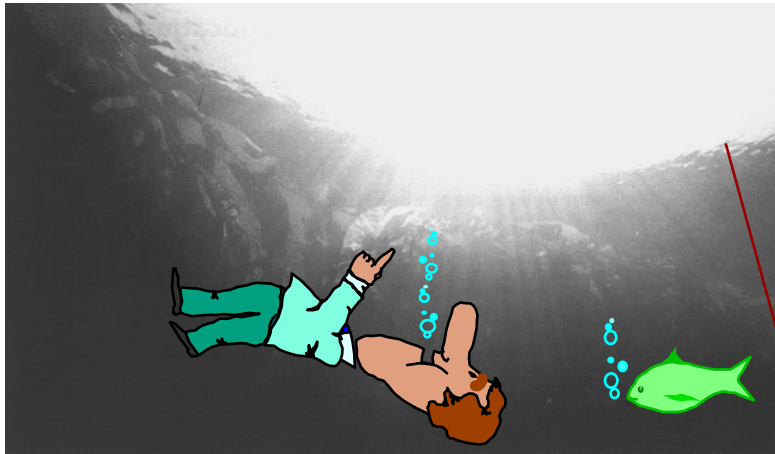


Example: Refraction at Water/Air Interface

Diver's illusion



Diver sees all of horizon
refracted into a 97° cone

$$\theta_1 = 90^\circ \quad \longrightarrow \quad \sin \theta_2 = \frac{n_1}{n_2} \sin 90^\circ = \frac{n_1}{n_2} = \frac{1}{1.33} \quad \longrightarrow \quad \theta_2 = 48.5^\circ$$