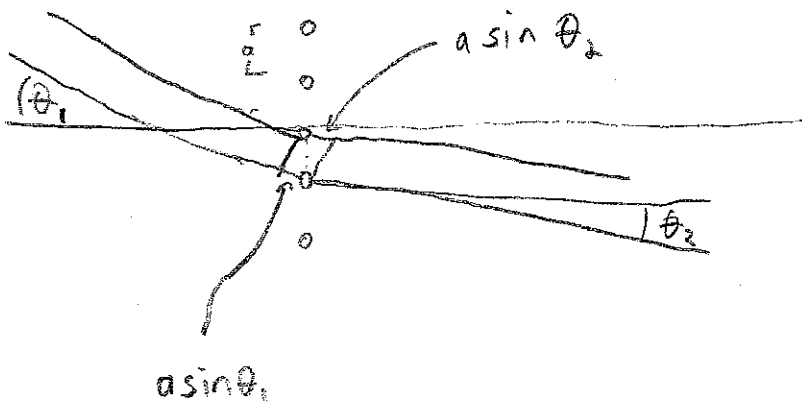


(1)

Diffraction Grating as multiple sources
 spaced sources evenly



The zero order is when the path length differences are the same

$$d \sin \theta_1 = d \sin \theta_2$$

$$\theta_1 = \theta_2$$

(2)

A condition where the areas of the interference fringes are exactly parallel and perpendicular to the earth's motion.

ie. equator, fall equinox, 12:00 pm.