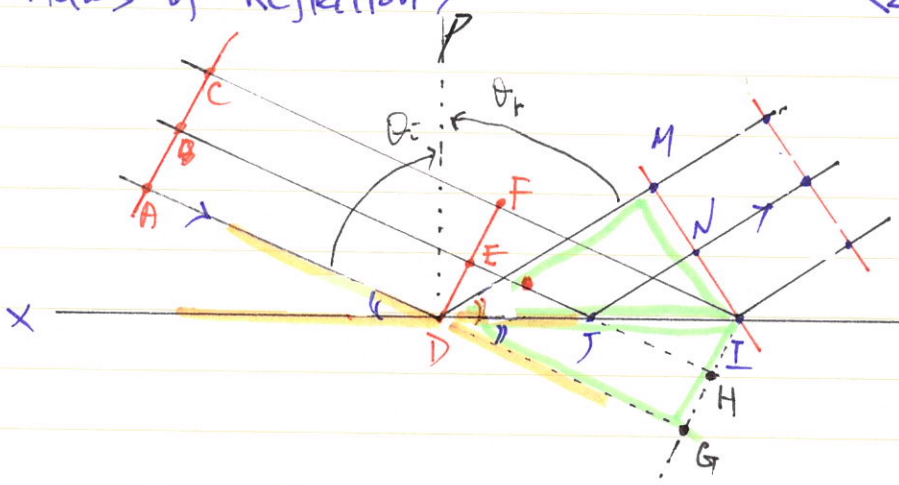
PAGE
DATE

<laws of Reflection>

<$\Delta L = v \Delta t$>



1. The wavefront $\overline{AC}$ is incident upon the interface $\overline{XY}$. at an angle of θ_i
2. The wavefront do not arrive the interface simultaneously.

3. If there is no interface $\overline{XY}$, then another wavefront $\overline{GI}$ would be formed!
4. Due to the interface, the actural wavefront $\overline{MI}$.

→ $\overline{DG} = \overline{DM}$; $= \overline{EJ} + \overline{JN}$; $= \overline{FI}$; same time interval

5. $\angle ADX = \angle IDG$; alternative (alternate) angle (엇각)

6. For $\triangle DMI$ & $\triangle DIG$,

$\overline{DI}$, $\overline{DM} = \overline{DG}$, $\angle DMI = \angle DGI = 90^\circ$

→ $\overline{MI} = \overline{IG}$

∴ $\angle IDG = \angle MDI$

∴ $\theta_i = \theta_r$