29.42 Unpold light of Intensity 5. Passes thru pol. with axis vertled then then one w/ one at 35° = So 2 cos 235 of out 50ig beam

Reflection & Refraction Chap 30 Tools - Optics Visible Light Concentrate on Visvange 7= 700-400 nm Opotics Red - Blue Cremetrical Optics Light - rays Exe-brain system has role.

Gye/brain can

Sye/brain can

Solve size & distant

Can be fooled

30 Basic rules for what rays do.
31 Uses these to discuss devices and mirrors Some metals, can be made very smooth, then reflect vay. Flat surface: 0, = 0/ Gual

Actually replection takes place all fle time. Not specular reflection. Diffusion uplication

Corner reflector

Parallel

wares in transpared medium Repraction In medium Blass a Jacuhm Glass: 15-1.9 Polysty: 1.49 12 534

f is some, a different,

smaller

What if It wave hits

interface at angle?

Some vellets. Some passes nt medium at diff. angle. WAST War langt Di ffarms charges (shork in WA) p. 534 Div Concentra A Wate part into medi-Refraction.

N<sub>1</sub>

Could derive relation connecting
0, Dz, etc.

Misih O, = nz Sih Oz

Snell's Law.

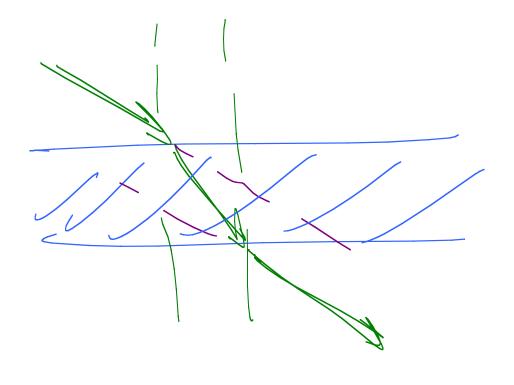
Example) . I what

Slab w/pmallel faces

102

102

1002



The pla Brewstor's angle

Brewstor's angle

No Special angle

tan Op = N | Aix play Op ~ 560

