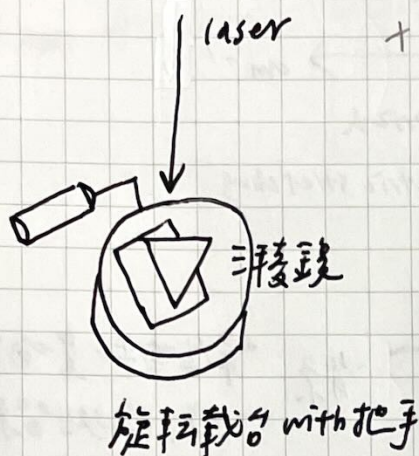


3. 光的反射, 折射 全反射现象

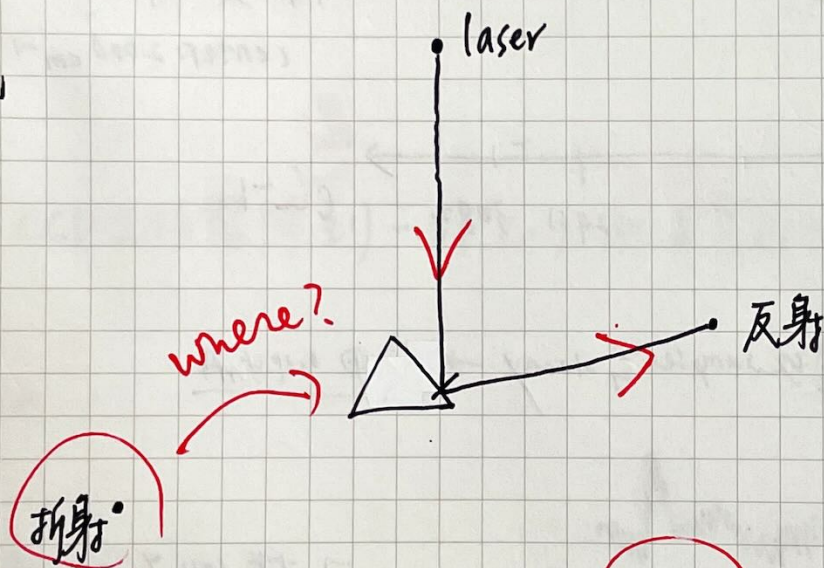
 Q_1

校正: when 入射角 = 0, 旋轉載台 = -5

1.



2

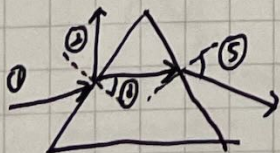


此時載台角度 = 50°

3. 全反射: $42^\circ + 5^\circ = 47^\circ (0.1)$

$$n_{air} = 1$$

$n_{\text{稜鏡}} : 1.61$



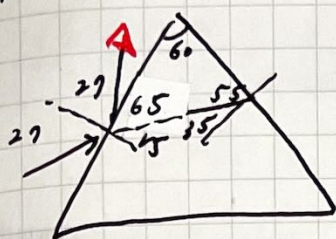
$n_{\text{arr}} = 1$
 $n_{\text{prizm}} = 1.61$

$$\sin 47^\circ = 1.73 \sin \theta$$

① 折射: 25°

 (θ_3)

4.



由 $\angle A_3$ 得 $\theta_3 = 25$, 推知最小全反射角 θ_4
 $= 35$, 和理论值 35.15° 相近.

Not Quite Right!
 to me

