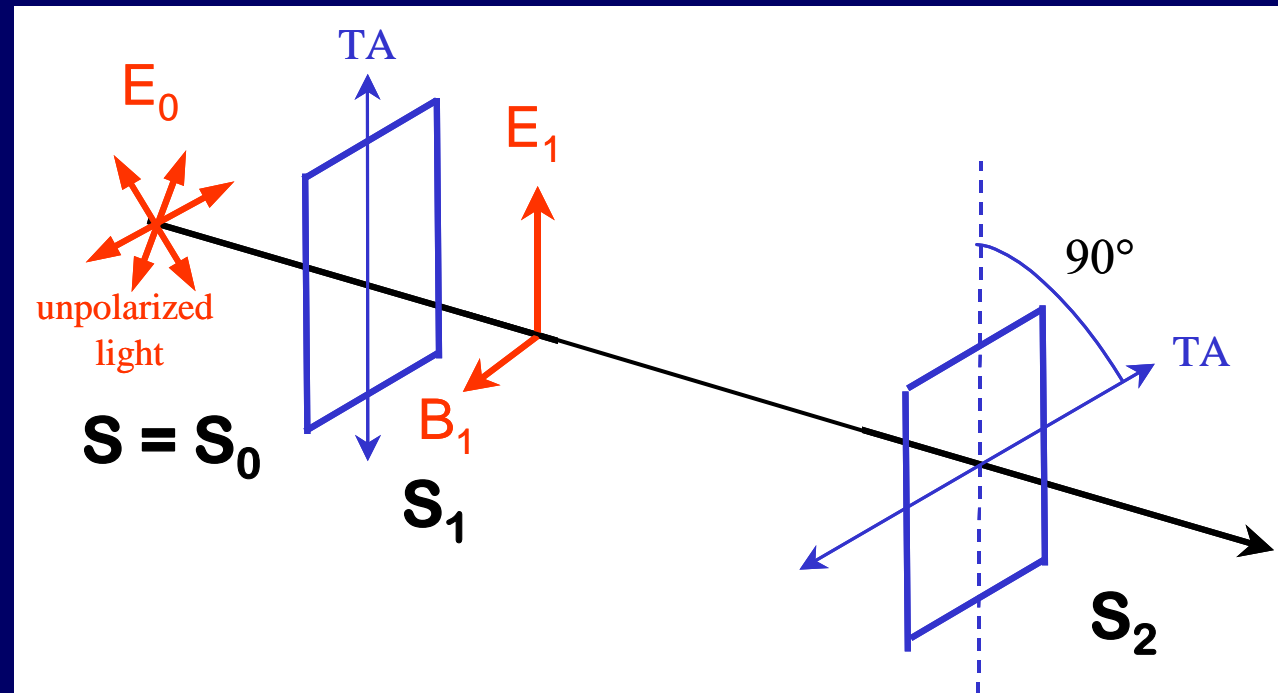
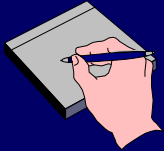


Example

Law of Malus – 2 Polarizers



- 1) Intensity of unpolarized light incident on linear polarizer is reduced by $\frac{1}{2}$. $S_1 = \frac{1}{2} S_0$
- 2) Light transmitted through first polarizer is vertically polarized. Angle between it and second polarizer is $\theta=90^\circ$. $S_2 = S_1 \cos^2(90^\circ) = 0$