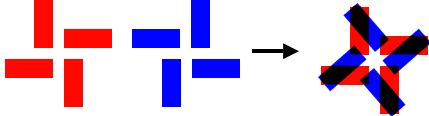


$w = 400 \text{ nm}$



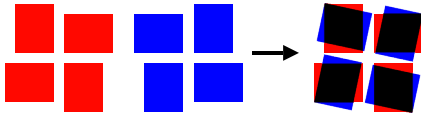
$$\Delta x = 0$$

$$\Delta y = 0$$

$$\Delta \theta = 41^\circ$$

$$A_{\text{overlap}} / A_{\text{total}} = 0.63$$

$w = 800 \text{ nm}$



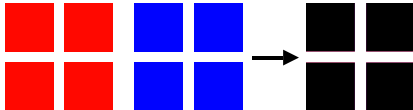
$$\Delta x = 0$$

$$\Delta y = 0$$

$$\Delta \theta = 78^\circ$$

$$A_{\text{overlap}} / A_{\text{total}} = 0.82$$

$w = 1000 \text{ nm}$



$$\Delta x = 0$$

$$\Delta y = 0$$

$$\Delta \theta = 0^\circ$$

$$A_{\text{overlap}} / A_{\text{total}} = 1.00$$