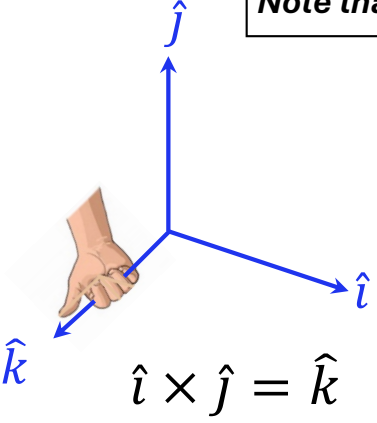
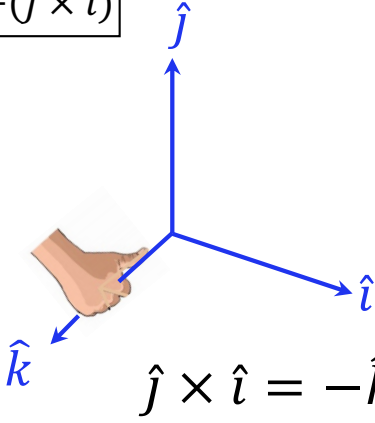


## Cross products of orthogonal unit vectors using the right-hand rule

**Note that:  $\hat{i} \times \hat{j} = -(\hat{j} \times \hat{i})$**

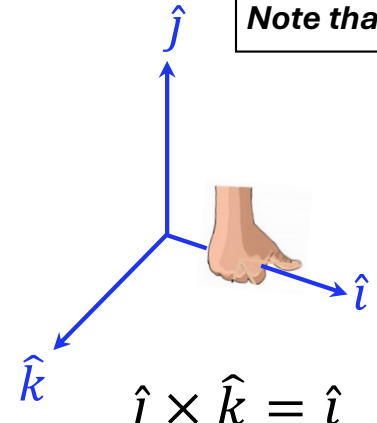


$\hat{i} \times \hat{j} = \hat{k}$

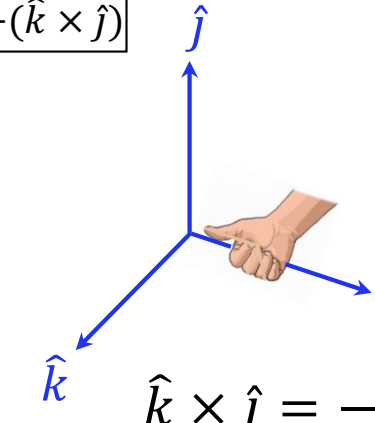


$\hat{j} \times \hat{i} = -\hat{k}$

**Note that:  $\hat{j} \times \hat{k} = -(\hat{k} \times \hat{j})$**

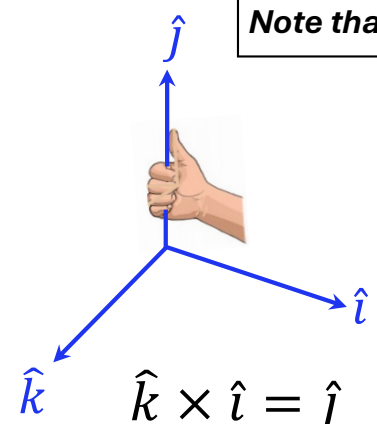


$\hat{j} \times \hat{k} = \hat{i}$

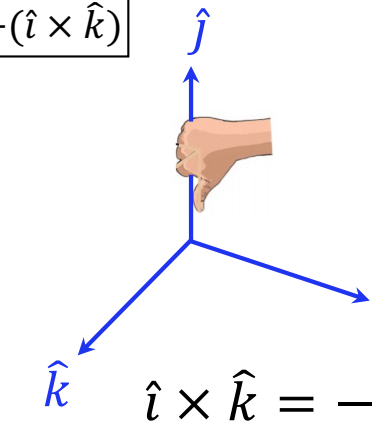


$\hat{k} \times \hat{j} = -\hat{i}$

**Note that:  $\hat{k} \times \hat{i} = -(\hat{i} \times \hat{k})$**



$\hat{k} \times \hat{i} = \hat{j}$



$\hat{i} \times \hat{k} = -\hat{j}$