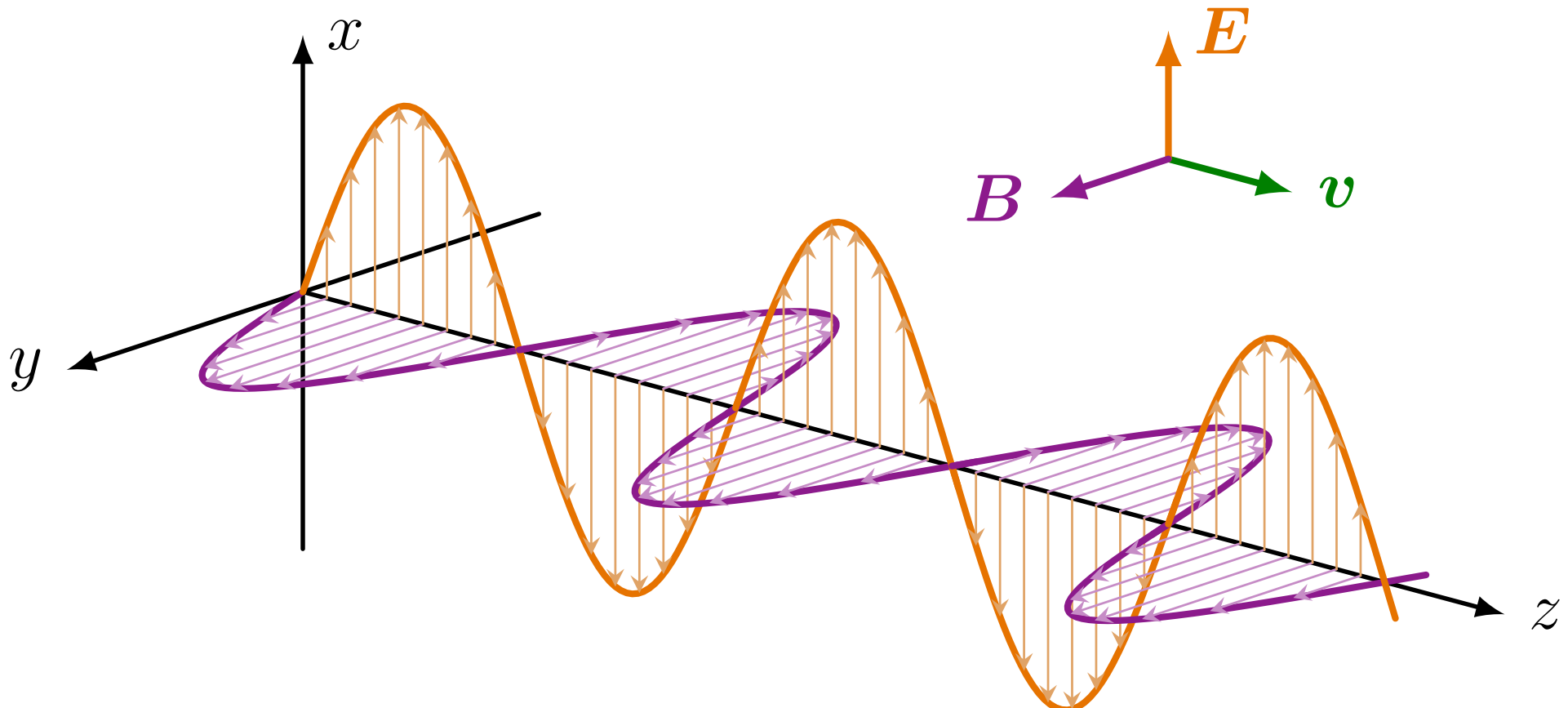
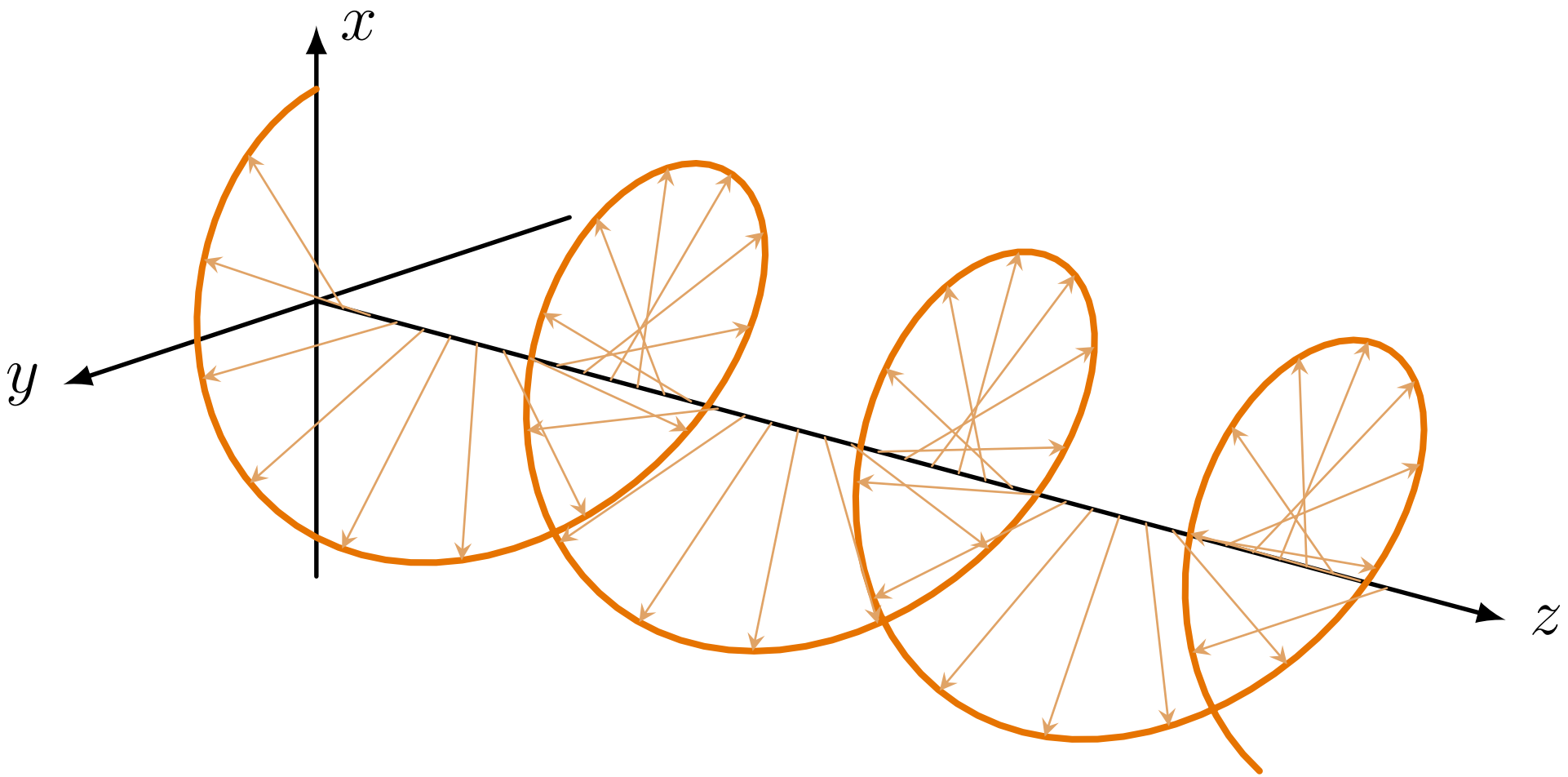
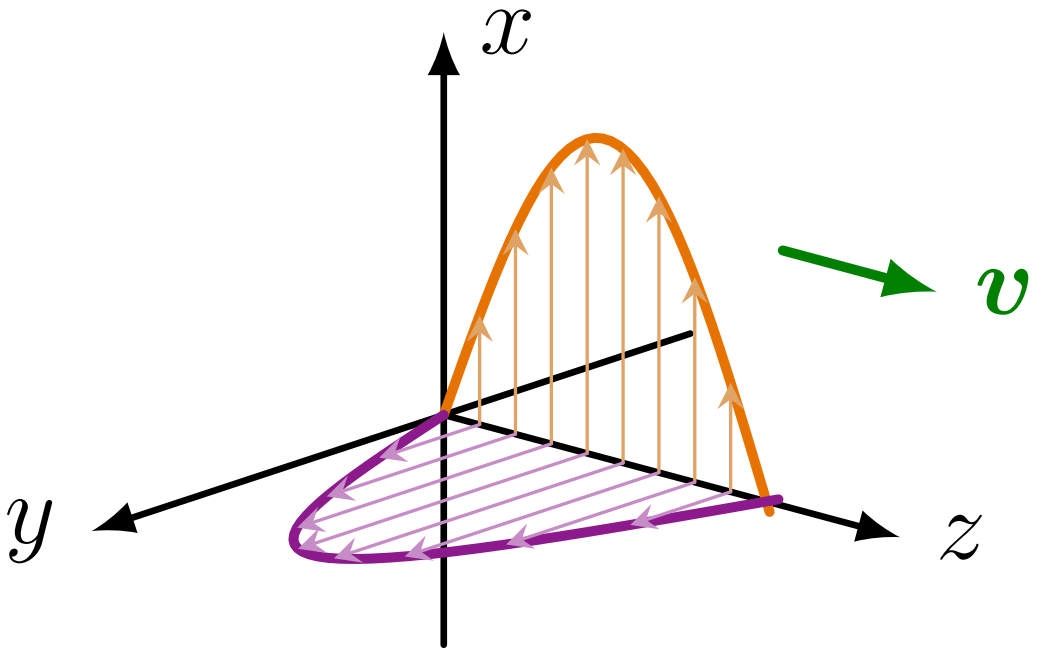
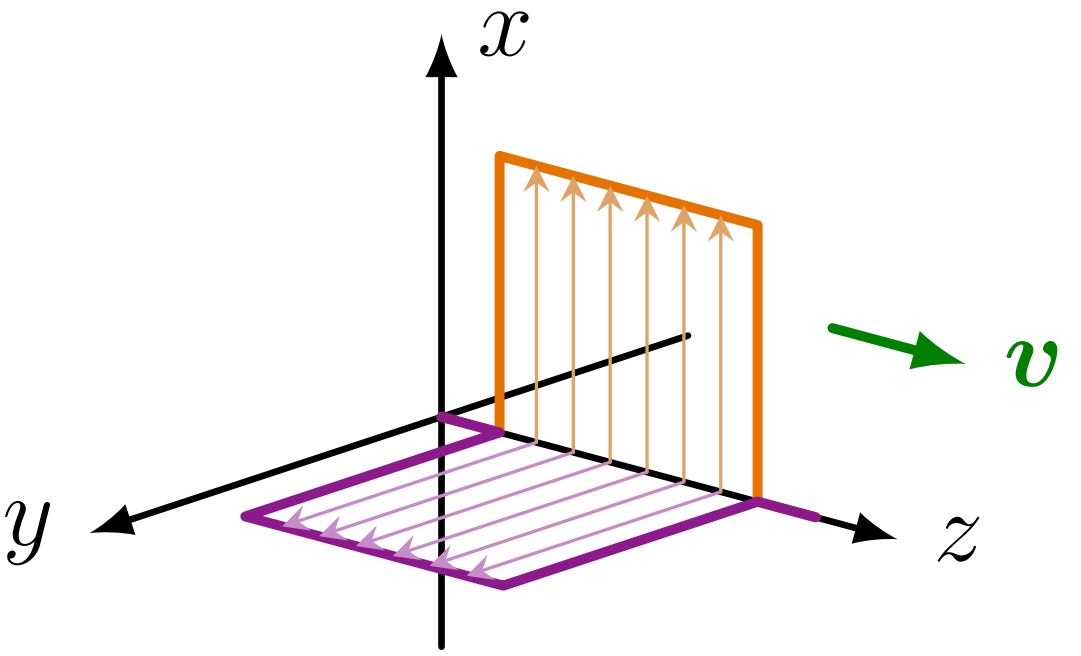
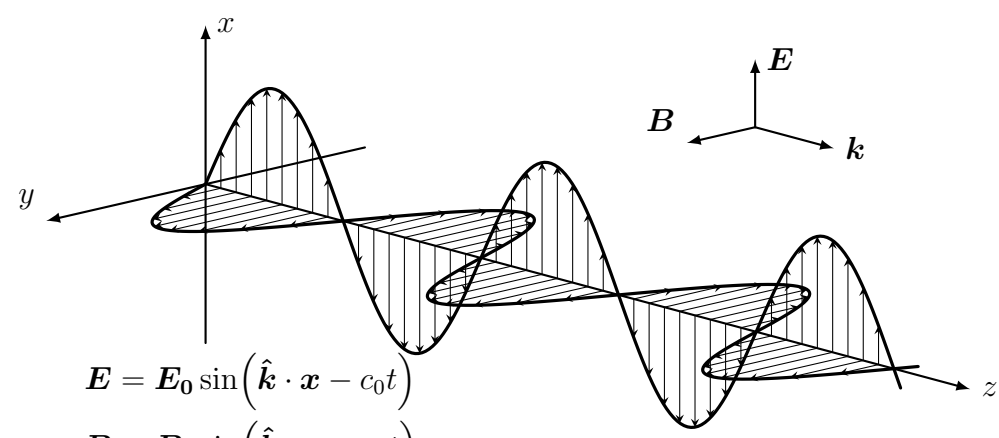

x
y
z
E
B
v


x
y
z


x
v
y
z

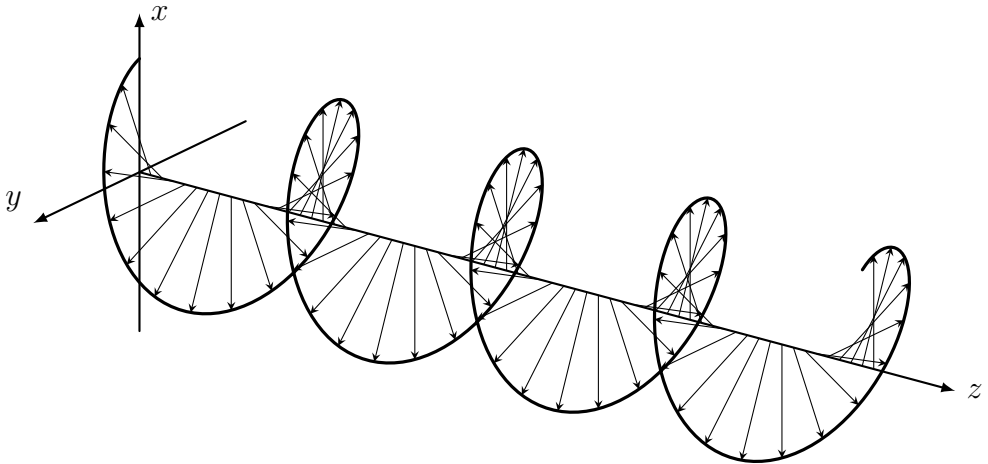

x
y
z
v

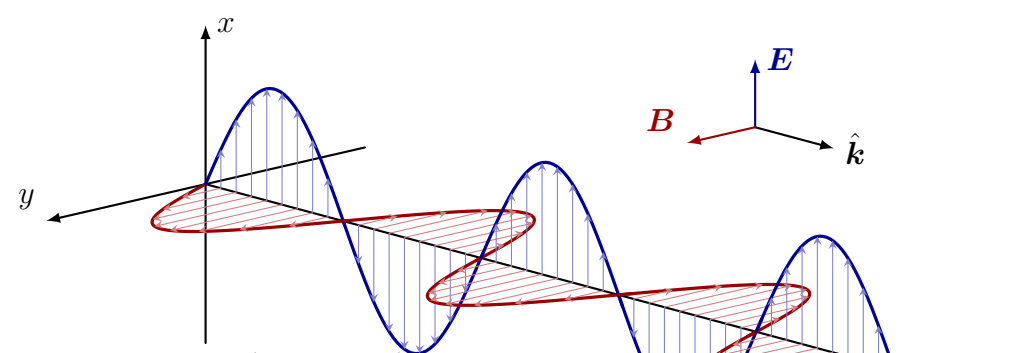


$$\boldsymbol{E} = \boldsymbol{E_0} \sin\Big(\hat{\boldsymbol{k}} \cdot \boldsymbol{x} - c_0 t\Big)$$

$$\boldsymbol{B} = \boldsymbol{B_0} \sin\Big(\hat{\boldsymbol{k}} \cdot \boldsymbol{x} - c_0 t\Big)$$

$$\boldsymbol{E} \cdot \hat{\boldsymbol{k}} = 0, \quad \boldsymbol{B} \cdot \hat{\boldsymbol{k}} = 0, \quad \boldsymbol{B} = \frac{1}{c_0} \hat{\boldsymbol{k}} \times \boldsymbol{E}$$


x
y
z



$$\boldsymbol{E} = \boldsymbol{E}_0 \sin\left(\hat{\boldsymbol{k}} \cdot \boldsymbol{x} - c_0 t\right)$$

$$\boldsymbol{B} = \boldsymbol{B}_0 \sin\left(\hat{\boldsymbol{k}} \cdot \boldsymbol{x} - c_0 t\right)$$

$$\boldsymbol{E} \cdot \hat{\boldsymbol{k}} = 0, \quad \boldsymbol{B} \cdot \hat{\boldsymbol{k}} = 0, \quad \boldsymbol{B} = \frac{1}{c_0} \hat{\boldsymbol{k}} \times \boldsymbol{E}$$