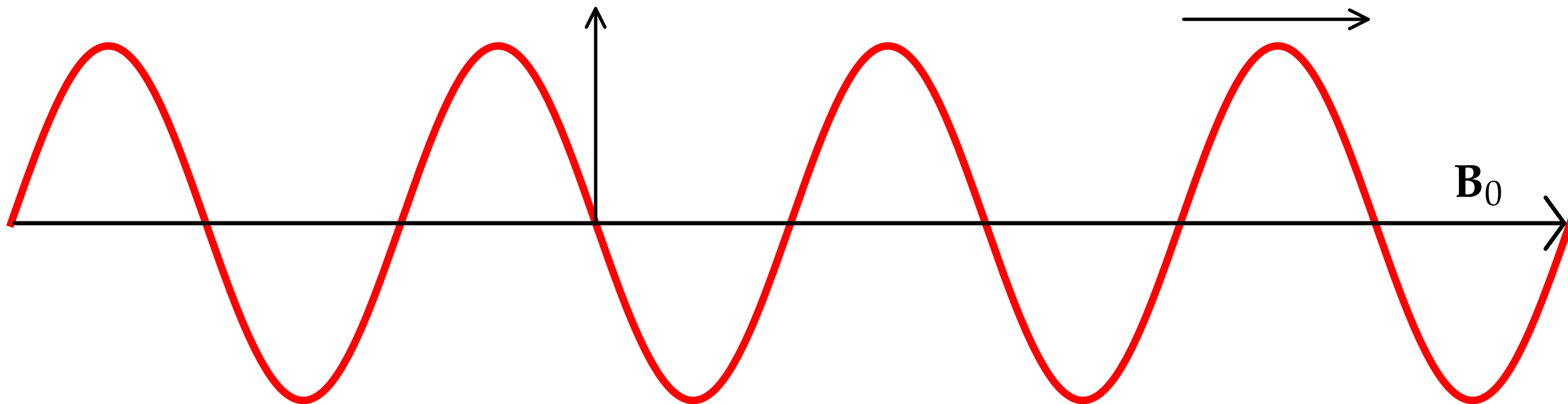Transverse perturbation

$\delta\mathbf{v}, \delta\mathbf{B} \perp \mathbf{B}_0$

Propagation along $\mathbf{B}_0$

$\mathbf{k} = k_{\parallel}\hat{\mathbf{b}}_0$

$\mathbf{B}_0$

$\lambda = \frac{2\pi}{k_{\parallel}}$