

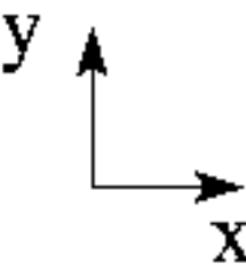
$$\mathbf{u} = \sin(\omega t) \mathbf{e}_x$$



$$y=1$$

$$x=0$$

$$x=1$$



$$y=0$$

$$u = 0$$