

Y direction EMF

$$\varepsilon_{y,i-1,j,k}^{ref}$$

$$\varepsilon_{y,i,j,k}^{ref}$$

$$F_{i-1/2,j,k}$$

$$\left(\frac{\partial \varepsilon}{\partial z}\right)_{i-1/2,j,k-1/4}$$

$$\varepsilon_{y,i-1/2,j,k-1/2}$$

$$F_{i-1,j,k-1/2}$$

$$\left(\frac{\partial \varepsilon}{\partial x}\right)_{i-3/4,j,k-1/2}$$

$$\left(\frac{\partial \varepsilon}{\partial x}\right)_{i-1/4,j,k-1/2}$$

$$F_{i,j,k-1/2}$$

$$\left(\frac{\partial \varepsilon}{\partial z}\right)_{i-1/2,j,k-3/4}$$

$$\varepsilon_{y,i-1,j,k-1}^{ref}$$

$$\varepsilon_{y,i,j,k-1}^{ref}$$

$$F_{i-1/2,j,k-1}$$

