

Z direction EMF

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

\circ
 $\varepsilon_{z,i,j,k}^{ref}$

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

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

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

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

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

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

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

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

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

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

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

