

Z direction EMF

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

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

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

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

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

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

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

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

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

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

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

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

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

