

$$\begin{aligned}
H &= \begin{bmatrix} 0 & -\mu^{-1/2} \nabla \times \epsilon^{-1/2} \\ \epsilon^{-1/2} \nabla \times \mu^{-1/2} & 0 \end{bmatrix} \\
\vec{u}(x, t) &= (\sqrt{\mu} \vec{H}, \sqrt{\epsilon} \vec{E})
\end{aligned}$$