

$$\begin{aligned}
\vec{\nabla} \wedge \vec{E} &= \begin{pmatrix} -\partial_z E_y \\ \partial_z E_x - \partial_x E_z \\ \partial_x E_y \end{pmatrix} = - \begin{pmatrix} \partial_t B_x \\ \partial_t B_y \\ \partial_t B_z \end{pmatrix} \\
\vec{\nabla} \wedge \vec{B} &= \begin{pmatrix} -\partial_z B_y \\ \partial_z B_x - \partial_x B_z \\ \partial_x B_y \end{pmatrix} = \frac{1}{c^2} \begin{pmatrix} \partial_t E_x \\ \partial_t E_y \\ \partial_t E_z \end{pmatrix}
\end{aligned}$$