

$$\begin{array}{c}
 c_o = \frac{1}{\sqrt{\epsilon_o \mu_o}} \\
 \swarrow \quad \searrow \\
 c_{min} = \frac{c_o}{\sqrt{\epsilon_{max}}} \qquad c_{max} = \frac{c_o}{\sqrt{\epsilon_{min}}} \\
 \downarrow \qquad \qquad \qquad \searrow \\
 \lambda_{min} = \frac{c_{min}}{f_{Ny}} \propto \Delta x \longrightarrow \Delta t = \frac{cfl}{c_{max} \sqrt{\left(\frac{1}{\Delta x}\right)^2 + \left(\frac{1}{\Delta y}\right)^2}}
 \end{array}$$