$$\frac{\beta}{k_{o}}E_{x}(i,j) = H_{y}(i,j) + \frac{j}{k_{o}\mathrm{dx}\left(i\right)}[E_{z}(i+1,j) - E_{z}(i,j)]$$

$$\frac{\beta}{k_{o}}E_{x}(i,j) = H_{y}(i,j) + \frac{j}{k_{o}\mathrm{dx}\left(i\right)}\left[\frac{-j}{k_{o}\mathrm{dx}\left(i\right)\varepsilon_{zz}(i+1,j)}[H_{y}(i+1,j) - H_{y}(i,j)] + \frac{j}{k_{o}\mathrm{ddy}\left(j-1\right)\varepsilon_{zz}(i+1,j)}[H_{x}(i+1,j) - H_{x}(i+1,j) - H_{x}(i+1,j-1)] - \left(\frac{-j}{k_{o}\mathrm{ddx}\left(i-1\right)\varepsilon_{zz}(i,j)}[H_{y}(i,j) - H_{y}(i-1,j)] + \frac{j}{k_{o}\mathrm{ddy}\left(j-1\right)\varepsilon_{zz}(i+1,j)}[H_{x}(i+1,j) - H_{x}(i+1,j) - H_{x}(i+1,j-1)] - \left(\frac{-j}{k_{o}\mathrm{ddx}\left(i-1\right)\varepsilon_{zz}\left(i,j\right)}[H_{y}(i,j) - H_{y}(i-1,j)] + \frac{j}{k_{o}\mathrm{ddy}\left(j-1\right)\varepsilon_{zz}\left(i+1,j\right)}[H_{x}(i+1,j) - H_{x}(i+1,j) - H_{x}(i+1,j-1)] - \frac{1}{k_{o}^{2}\mathrm{ddx}\left(i-1\right)\mathrm{dx}\left(i\right)\varepsilon_{zz}\left(i,j\right)}[H_{y}(i,j) - H_{y}(i-1,j)] + \frac{j}{k_{o}^{2}\mathrm{dx}\left(i\right)\mathrm{dx}\left(i-1\right)\varepsilon_{zz}\left(i,j\right)}[H_{y}(i,j) - H_{y}(i-1,j)] + \frac{j}{k_{o}\mathrm{dy}\left(j\right)}[H_{x}(i,j+1) - H_{x}(i,j)] - \left(\frac{-j}{k_{o}\mathrm{dx}\left(i-1\right)\varepsilon_{zz}\left(i,j\right)}[H_{y}(i,j) - H_{y}(i-1,j)] + \frac{j}{k_{o}\mathrm{dy}\left(j\right)}[H_{x}(i,j+1) - H_{x}(i,j)] - \left(\frac{-j}{k_{o}\mathrm{dx}\left(i-1\right)\varepsilon_{zz}\left(i,j\right)}[H_{y}(i,j) - H_{y}(i-1,j)] + \frac{j}{k_{o}\mathrm{dy}\left(j-1\right)\varepsilon_{zz}\left(i,j\right)}[H_{x}(i,j+1) - H_{x}(i,j)] - \frac{1}{k_{o}^{2}\mathrm{dx}\left(i-1\right)\varepsilon_{zz}\left(i,j\right)}[H_{y}(i,j) - H_{y}(i-1,j)] + \frac{1}{k_{o}\mathrm{dy}\left(j-1\right)\varepsilon_{zz}\left(i,j\right)}[H_{x}(i,j+1) - H_{x}(i,j)] - \frac{1}{k_{o}^{2}\mathrm{dx}\left(i-1\right)\varepsilon_{zz}\left(i,j\right)}[H_{x}(i,j-1) - H_{y}(i-1,j)] + \frac{1}{k_{o}^{2}\mathrm{dx}\left(i-1\right)\varepsilon_{zz}\left(i,j\right)}[H_{x}(i,j+1) - H_{x}(i,j)] - \frac{1}{k_{o}^{2}\mathrm{dx}\left(i-1\right)\varepsilon_{zz}\left(i,j\right)}[H_{x}(i,j-1) - H_$$

Bu formüllerde şu normalizasyon uygulanmış:

$$H'=H\sqrt{\eta_0}$$
 $E'=\frac{E}{\sqrt{\eta_0}}$