$\{Nx, Ny, Nz\}$ – **JEDINIČNI** vektor normale (od sredstva 1 prema 2)

σ_s – površinska gustoća naboja

E_1 je u nastavku samo E

$$\vec{n}\cdot\left(\vec{D}_2-\vec{D}_1\right)=\sigma_s$$

$$\vec{n}\times\left(\vec{E}_2-\vec{E}_1\right)=0$$

$$\mathbf{E2x} \rightarrow \mathbf{Ex}\left(\mathbf{1}-\mathbf{Nx}^2\right)-\mathbf{Nx}\,(\mathbf{Ey\,Ny}+\mathbf{Ez\,Nz})+\frac{\mathbf{Nx}\,(\mathbf{Ex\,Nx}+\mathbf{Ey\,Ny}+\mathbf{Ez\,Nz})\,\epsilon_{r1}}{\epsilon_{r2}}+\frac{\mathbf{Nx}\,\sigma_s}{\epsilon_0\,\epsilon_{r2}}$$

$$\mathbf{E2y} \rightarrow \mathbf{Ey}\left(\mathbf{1}-\mathbf{Ny}^2\right)-\mathbf{Ny}\,(\mathbf{Ex\,Nx}+\mathbf{Ez\,Nz})+\frac{\mathbf{Ny}\,(\mathbf{Ex\,Nx}+\mathbf{Ey\,Ny}+\mathbf{Ez\,Nz})\,\epsilon_{r1}}{\epsilon_{r2}}+\frac{\mathbf{Ny}\,\sigma_s}{\epsilon_0\,\epsilon_{r2}}$$

$$\mathbf{E2z} \rightarrow \mathbf{Ez}\left(\mathbf{1}-\mathbf{Nz}^2\right)-\mathbf{Nz}\,(\mathbf{Ex\,Nx}+\mathbf{Ey\,Ny})+\frac{\mathbf{Nz}\,(\mathbf{Ex\,Nx}+\mathbf{Ey\,Ny}+\mathbf{Ez\,Nz})\,\epsilon_{r1}}{\epsilon_{r2}}+\frac{\mathbf{Nz}\,\sigma_s}{\epsilon_0\,\epsilon_{r2}}$$

$\{Nx, Ny, Nz\}$ – **JEDINIČNI** vektor normale (od sredstva 1 prema 2)

$\{Kx, Ky, Kz\}$ – vektor plošne gustoće struje

B_1 je u nastavku samo B

$$\vec{n}\cdot\left(\vec{B}_2-\vec{B}_1\right)=0$$

$$\vec{n}\times\left(\vec{H}_2-\vec{H}_1\right)=\vec{K}_s$$

$$\mathbf{B2x} \rightarrow \mathbf{Nx}\,(\mathbf{Bx\,Nx}+\mathbf{By\,Ny}+\mathbf{Bz\,Nz})+(\mathbf{Ky\,Nz}-\mathbf{Kz\,Ny})\,\mu_0\,\mu_{r2}-\frac{\left(\mathbf{Bx}\left(-\mathbf{1}+\mathbf{Nx}^2\right)+(\mathbf{By\,Ny}+\mathbf{Bz\,Nz})\,\mathbf{Nx}\right)\mu_{r2}}{\mu_{r1}}$$

$$\mathbf{B2y} \rightarrow \mathbf{Ny}\,(\mathbf{Bx\,Nx}+\mathbf{By\,Ny}+\mathbf{Bz\,Nz})+(\mathbf{Kz\,Nx}-\mathbf{Kx\,Nz})\,\mu_0\,\mu_{r2}-\frac{\left(\mathbf{By}\left(-\mathbf{1}+\mathbf{Ny}^2\right)+(\mathbf{Bx\,Nx}+\mathbf{Bz\,Nz})\,\mathbf{Ny}\right)\mu_{r2}}{\mu_{r1}}$$

$$\mathbf{B2z} \rightarrow \mathbf{Nz}\,(\mathbf{Bx\,Nx}+\mathbf{By\,Ny}+\mathbf{Bz\,Nz})+(\mathbf{Kx\,Ny}-\mathbf{Ky\,Nx})\,\mu_0\,\mu_{r2}-\frac{\left(\mathbf{Bz}\left(-\mathbf{1}+\mathbf{Nz}^2\right)+(\mathbf{Bx\,Nx}+\mathbf{By\,Ny})\,\mathbf{Nz}\right)\mu_{r2}}{\mu_{r1}}$$