

$$\sum_{i,j,l \in \{-1,0,1\}} A_{G,0,0}^{i,j,l} U_{i,j;l}^h = 0 \quad (1)$$

The eight entries corresponding to the corner nodes

$$A_{G,0,0,0}^{i,j,l} = -\frac{h_{\mathbf{x}}^i h_{\mathbf{y}}^j}{36 h_{\mathbf{z}}^l} - \frac{h_{\mathbf{z}}^l h_{\mathbf{x}}^i}{36 h_{\mathbf{y}}^j} - \frac{h_{\mathbf{z}}^l h_{\mathbf{y}}^j}{36 h_{\mathbf{x}}^i} - \frac{h_{\mathbf{x}}^i h_{\mathbf{y}}^j h_{\mathbf{z}}^l k^2}{216} \quad (2)$$