

$$\mathbf{D} = \begin{array}{c} \begin{array}{ccc} m=0 & m=1 & m=2 \end{array} \\ \left[\begin{array}{ccccccc} 0 & 1 & 1 & 0 & 0 & 0 & 0 & \dots \\ 0 & 1 & -1 & 0 & 0 & 0 & 0 & \dots \\ 0 & 0 & 0 & 1 & 1 & 1 & 1 & \dots \\ 0 & 0 & 0 & 1 & -1 & 1 & -1 & \dots \\ 0 & 0 & 0 & 1 & 1 & -1 & -1 & \dots \\ 0 & 0 & 0 & 1 & -1 & -1 & 1 & \dots \\ \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \vdots & \ddots \end{array} \right] \begin{array}{c} m=0 \\ m=1 \\ m=2 \end{array} \end{array}$$