

$$\begin{pmatrix} 0 & \text{xw}0_x \left(\frac{1}{4} + \frac{\text{i}}{4} \right) + \text{xw}1_x \left(\frac{1}{4} + \frac{\text{i}}{4} \right) & \text{xw}0_x \left(\frac{1}{4} - \frac{\text{i}}{4} \right) + \text{xw}1_x \left(\frac{1}{4} - \frac{\text{i}}{4} \right) & \frac{\text{xw}0_x}{2} - \frac{\text{xw}1_x}{2} \\ \text{xw}0_x \left(\frac{1}{4} - \frac{\text{i}}{4} \right) + \text{xw}1_x \left(\frac{1}{4} - \frac{\text{i}}{4} \right) & 0 & \frac{\text{xw}0_x}{2} - \frac{\text{xw}1_x}{2} & \text{xw}0_x \left(\frac{1}{4} + \frac{\text{i}}{4} \right) + \text{xw}1_x \left(\frac{1}{4} + \frac{\text{i}}{4} \right) \\ \text{xw}0_x \left(\frac{1}{4} + \frac{\text{i}}{4} \right) + \text{xw}1_x \left(\frac{1}{4} + \frac{\text{i}}{4} \right) & \frac{\text{xw}0_x}{2} - \frac{\text{xw}1_x}{2} & 0 & \text{xw}0_x \left(\frac{1}{4} - \frac{\text{i}}{4} \right) + \text{xw}1_x \left(\frac{1}{4} - \frac{\text{i}}{4} \right) \\ \frac{\text{xw}0_x}{2} - \frac{\text{xw}1_x}{2} & \text{xw}0_x \left(\frac{1}{4} - \frac{\text{i}}{4} \right) + \text{xw}1_x \left(\frac{1}{4} - \frac{\text{i}}{4} \right) & \text{xw}0_x \left(\frac{1}{4} + \frac{\text{i}}{4} \right) + \text{xw}1_x \left(\frac{1}{4} + \frac{\text{i}}{4} \right) & 0 \end{pmatrix}$$