

$$V = 0.75 \sum_{m_1, m_2} (|m_1, m_2\rangle\langle m_1 + 1, m_2 + 1| + |m_1, m_2\rangle\langle m_1 - 1, m_2 - 1|) - 0.25 \sum_{m_1, m_2} (|m_1, m_2\rangle\langle m_1 - 1, m_2 + 1| + |m_1, m_2\rangle\langle m_1 + 1, m_2 - 1|)$$