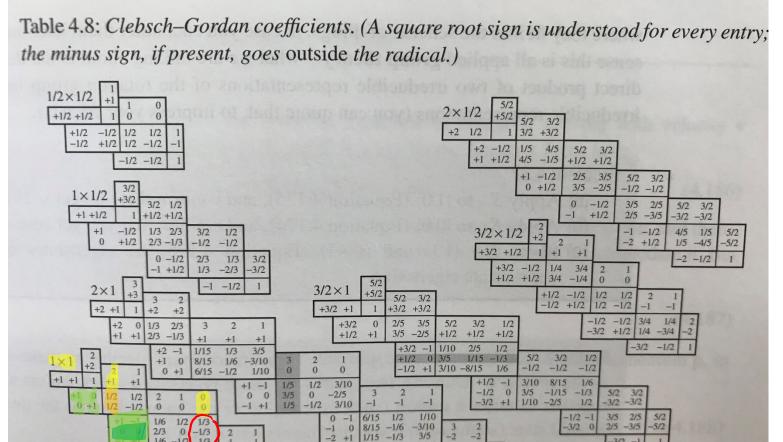
Table of Clebsch-Gordan coefficients



$$\begin{cases} \xi_{3}, \ l_{1}=1, \ l_{2}=1 \\ | \ l_{2}=2, \ m=1 \ \rangle = \sqrt{\frac{1}{2}} \ | \ m_{1}=1, \ m_{2}=0 \ \rangle \\ + \sqrt{\frac{1}{2}} \ | \ m_{1}=0, \ m_{2}=1 \ \rangle \end{cases}$$

$$\begin{aligned}
|\{1,0,m=0\}\\ &= \sqrt{\frac{1}{3}} |m_1=1,m_2=-1\rangle\\ &- \sqrt{\frac{1}{3}} |m_1=0,m_2=0\rangle\\ &+ \sqrt{\frac{1}{3}} |m_1=-1,m_2=1\rangle\end{aligned}$$

Table of Clebsch-Gordan coefficients

