

MPG No. 20.1.71 $\bar{3}m$ (-3m1 setting) [Type I, trigonal] [G tensor]

* Rank 0 tensor. * Rank 1 tensor. * Rank 2 tensor (s). * Rank 2 tensor (a). * Rank 3 tensor (s).

$$\begin{bmatrix} G_{xxx} & 0 & 0 \\ -G_{xxx} & 0 & 0 \\ 0 & 0 & 0 \\ G_{yzz} & 0 & 0 \\ 0 & -G_{yzz} & 0 \\ 0 & -G_{xxx} & 0 \end{bmatrix}$$

$$G_{xxx} = G_{f2}^{(1)}$$

$$G_{yzz} = -3Q_{du}^{(1)}$$

* Rank 3 tensor (a).

$$\begin{bmatrix} G_{yzz} & 0 & 0 \\ 0 & G_{yzz} & 0 \\ 0 & 0 & G_{xyz} \end{bmatrix}$$

$$G_{yzz} = -Q_{du}^{(2)} + Q_s^{(1)}$$

$$G_{xyz} = 2Q_{du}^{(2)} + Q_s^{(1)}$$

* Rank 4 tensor (sss). * Rank 4 tensor (ssa). * Rank 4 tensor (aas). * Rank 4 tensor (aaa). * Rank 4 tensor (sa). * Rank 4 tensor (as). * Rank 4 tensor (s). * Rank 4 tensor (a). * Rank 4 tensor (t).