

MPG No. 20.4.74 $\bar{3}'m'$ (-3'm'1 setting) [Type III, trigonal] [T tensor]

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

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

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

$$T_{yzz} = -3M_{du}^{(1)}$$

* Rank 3 tensor (a).

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

$$T_{yzz} = -M_{du}^{(2)} + M_s^{(1)}$$

$$T_{xyz} = 2M_{du}^{(2)} + M_s^{(1)}$$

* 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).