

PG No. 6 D_2 222 [orthorhombic]

Table 1: Representation matrices

Irrep.				
A	1 :	$\begin{bmatrix} 1 \end{bmatrix}$	$2_{001} :$	$\begin{bmatrix} 1 \end{bmatrix}$
			$2_{010} :$	$\begin{bmatrix} 1 \end{bmatrix}$
			$2_{100} :$	$\begin{bmatrix} 1 \end{bmatrix}$
B_1	1 :	$\begin{bmatrix} 1 \end{bmatrix}$	$2_{001} :$	$\begin{bmatrix} 1 \end{bmatrix}$
			$2_{010} :$	$\begin{bmatrix} -1 \end{bmatrix}$
			$2_{100} :$	$\begin{bmatrix} -1 \end{bmatrix}$
B_2	1 :	$\begin{bmatrix} 1 \end{bmatrix}$	$2_{001} :$	$\begin{bmatrix} -1 \end{bmatrix}$
			$2_{010} :$	$\begin{bmatrix} 1 \end{bmatrix}$
			$2_{100} :$	$\begin{bmatrix} -1 \end{bmatrix}$
B_3	1 :	$\begin{bmatrix} 1 \end{bmatrix}$	$2_{001} :$	$\begin{bmatrix} -1 \end{bmatrix}$
			$2_{010} :$	$\begin{bmatrix} -1 \end{bmatrix}$
			$2_{100} :$	$\begin{bmatrix} 1 \end{bmatrix}$