



THz 区

不满足对称性

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光学区
满足对称性

$$d_{u_1 u_2 u_3} = \begin{bmatrix} d_{111} & d_{112} & d_{113} & d_{121} & d_{122} & d_{123} & d_{131} & d_{132} & d_{133} \\ d_{211} & d_{212} & d_{213} & d_{221} & d_{222} & d_{223} & d_{231} & d_{232} & d_{233} \\ d_{311} & d_{312} & d_{313} & d_{321} & d_{322} & d_{323} & d_{331} & d_{332} & d_{333} \end{bmatrix}$$

不可压缩至

$$d_{u_1 u_2 u_3} = \begin{bmatrix} d_{11} & d_{12} & d_{13} & d_{14} & d_{15} & d_{16} \\ d_{16} & d_{22} & d_{23} & d_{24} & d_{14} & d_{12} \\ d_{15} & d_{24} & d_{33} & d_{23} & d_{13} & d_{14} \end{bmatrix} \quad 10 \text{ 个}$$

(彩色且相同 则 数值相同)

$$d_{15} \neq d_{31}$$

例如

$$d_{15} = d_{31}$$