

where T is one of the cell transformation matrices listed in Table 1. Substituting (3) into (1) we obtain

$$h' = V_p Th_c \quad (4)$$

$$h' = V_c h_c, \quad (5)$$

where V_c is the centred seminvariant vector matrix listed in Table 2 for centrosymmetric space groups and in Table 3 for noncentrosymmetric space groups. The seminvariant moduli m are unaltered by this transformation. These V_c matrices provide the means to derive the seminvariant indices h' directly from the centred indices. This approach is already in use in direct-methods software (Hall, 1982).

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