

**Stokes, Harold T.; Hatch, Dorian M.**

**Isotropy subgroups of the 230 crystallographic space groups.** (English) Zbl 1081.20502  
Singapore etc.: World Scientific Publishing Ltd. (ISBN 9971-50-772-2). 624 p. (1988).

Publisher's description: This book gives a rather exhaustive list of isotropy subgroups of the 230 crystallographic space groups. The symmetry changes for the vast majority of observed phase transitions in crystalline solids can be found in the list. With each entry, information is given concerning both physical and abstract characteristics of the phase transitions.

**MSC:**

- [20H15](#) Other geometric groups, including crystallographic groups
- [82B26](#) Phase transitions (general) in equilibrium statistical mechanics
- [20C35](#) Applications of group representations to physics and other areas of science
- [82D25](#) Statistical mechanics of crystals
- [20-02](#) Research exposition (monographs, survey articles) pertaining to group theory

Cited in 8 Documents

**Keywords:**

[isotropy subgroups](#); [crystallographic groups](#); [phase transitions](#); [crystalline solids](#)

**Software:**

[ISOTROPY](#)