

### **dilational (dilatational) transition**

A transition in which the crystal structure is dilated (or compressed) along one (or more) crystallographic direction(s) while the symmetry about that direction is retained.

Examples:

- i. The transition of a CsCl-type structure to a rock salt structure in which dilation occurs along the three-fold axis.
- ii. The transition at  $T_D$  in quenched NiS in which volume expansion occurs without change of symmetry on going from a metallic state ( $T > T_D$ ) to a semiconducting state ( $T < T_D$ ).

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