

## Solid State Theory

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Solid-state physics is the study of rigid matter, or solids, through methods such as quantum mechanics, crystallography, electromagnetism, and metallurgy. It is the largest branch of condensed matter physics. Solid-state physics studies how the large-scale properties of solid materials result from their atomic-scale properties. Thus, solid-state physics forms a theoretical basis of materials science.

Solid-state physics - Wikipedia

Solid-state physics is concerned with the properties exhibited by atoms and molecules because of their association and regular, periodic arrangement in crystals crystal, a solid body bounded by natural plane faces that are the external expression of a regular internal arrangement of constituent atoms, molecules, or ions.

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Solid State Battery - an overview | ScienceDirect Topics

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Steady-state model - Wikipedia

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