



# Solid State Physics, 6th Edition

*S.O. Pillai*

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**Solid State Physics, 6th Edition** S.O. Pillai

## KEY FEATURES:

- New edition of classic text
- First international edition
- Cross disciplinary, with engineering applications
- Author with teaching experience of more than four decades

## ABOUT THE BOOK:

This sixth edition has been improved qualitatively and quantitatively to include many new features. The book is intended for the beginners, the postgraduate students and preparation for higher studies.

The subjects covered in the book include review of atomic structure, interatomic forces and bonding in solids, crystal physics, wave nature of matter and X-ray diffraction, electrical properties of metals, thermal properties of solids, superconductivity, magnetic properties of materials, physics of semiconductors, dielectrics and related properties, optical properties of solids, insulating materials and their properties, and composite materials.

## ABOUT THE AUTHOR(S):

Dr Pillai has a doctorate in Ultrasonics & Material Science. He has guided candidates in the field of ultrasonics for doctorate. Dr. Pillai published about forty-five research papers over a period of fifteen years from his independent experimental work in the fields of Ultrasonics and Material Science. He has been teaching this subject since 1960.

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