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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. General Methods for Calculating the Electronic Structure of Surfaces -- 3. Transition Metal Surfaces -- 4. Electronic States at Covalent Semiconductor Surfaces -- 5. Surfaces of Compound Semiconductors -- 6. Chemisorption on Semiconductor Surfaces -- 7. Interfaces -- 8. Surface Phonons -- Solutions to Exercises -- References.
Sommario/riassunto	Surfaces and interfaces play an increasingly important role in today's solid state devices. In this book the reader is introduced, in a didactic manner, to the essential theoretical aspects of the atomic and electronic structure of surfaces and interfaces. The book does not pretend to give a complete overview of contemporary problems and

methods. Instead, the authors strive to provide simple but qualitatively useful arguments that apply to a wide variety of cases. The emphasis of the book is on semiconductor surfaces and interfaces but it also includes a thorough treatment of transition metals, a general discussion of phonon dispersion curves, and examples of large computational calculations. The exercises accompanying every chapter will be of great benefit to the student.

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