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Sommario/riassunto	The Augmented Spherical Wave (ASW) method is one of the most powerful approaches for handling the requirements of finite basis sets in DFT calculations. While it is particularly suited for the calculation of the electronic, magnetic, and optical properties of solid-state materials, recent developments allow application, in addition, to the elastic properties and phonon spectra. The book addresses all those who want to learn about methods for electronic structure calculations and the ASW method, in particular.