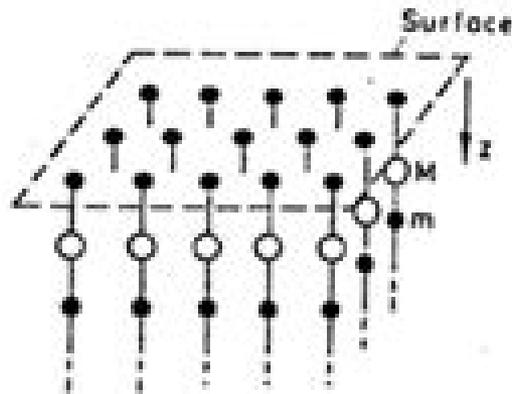


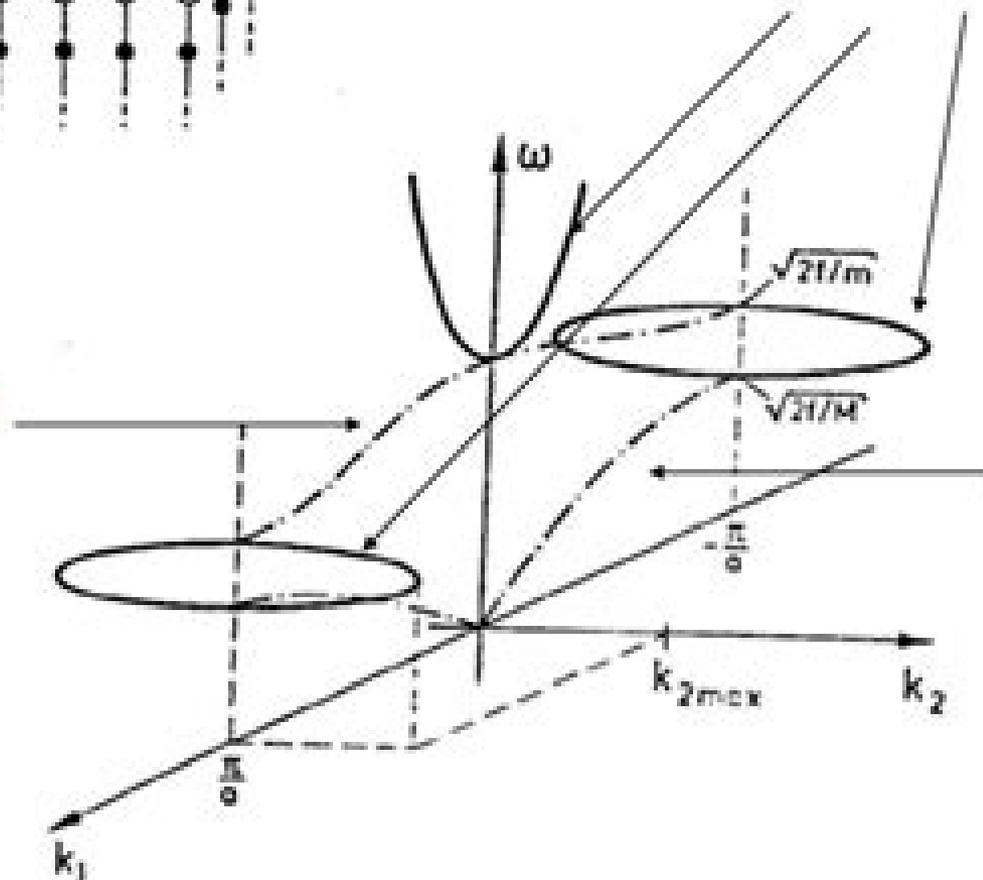
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## Surface phonons

Optic



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**G.P Srivastava**



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Theory of surface scattering and detection of surface phonons Nicholas Cabrera,1968 **Semiconductor Surfaces and Interfaces** Winfried Mönch,2001-04-10 Semiconductor Surfaces and Interfaces deals with structural and electronic properties of semiconductor surfaces and interfaces The first part introduces the general aspects of space charge layers of clean surface and adatom induced surfaces states and of interface states It is followed by a presentation of experimental results on clean and adatom covered surfaces which are explained in terms of simple physical and chemical concepts Where available results of more refined calculations are considered This third edition has been thoroughly revised and updated In particular it now includes an extensive discussion of the band lineup at semiconductor interfaces The unifying concept is the continuum of interface induced gap states

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Physical Methods of Chemistry, Investigations of Surfaces and Interfaces Bryant W. Rossiter,Roger C. Baetzold,1993-01-12 Each volume of this series heralds profound changes in both the perception and practice of chemistry This edition presents the state of the art of all important methods of instrumental chemical analysis measurement and control Contributions offer introductions together with sufficient detail to give a clear understanding of basic theory and apparatus involved and an appreciation of the value potential and limitations of the respective techniques The emphasis of the subjects treated is on method rather than results thus aiding the investigator in applying the techniques successfully in the laboratory

**History of Solid State Physics** Joginder Singh Galsin, Sum-frequency Spectroscopic

Studies of Surfaces/interfaces and Phonons Weitao Liu,2008      *Surface Phonons and Polaritons* Alexei A. Maradudin,Richard Fisher Wallis,L. Dobrzynski,CALIFORNIA UNIV IRVINE DEPT OF PHYSICS.,1976 An extensive review is given of surface phenomena associated with phonons and polaritons Among the topics discussed are surface modes of vibration surface specific heat interaction of defects with surfaces surface atom mean square displacements surface thermal expansion and surface wave attenuation Explicit examples of a number of these phenomena are worked out in detail Author

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