

Erratum: External Vibrations in Complex Crystals

G. VENKATARAMAN AND V. C. SAHNI

Nuclear Physics Division, Bhabha Atomic Research Centre Trombay, Bombay-85, India.

[Rev. Mod. Phys. 42, 409 (1970)]

Figures 22 and 23 of our paper recently published in *Reviews of Modern Physics* contain minor errors. The corrected figures are given below:

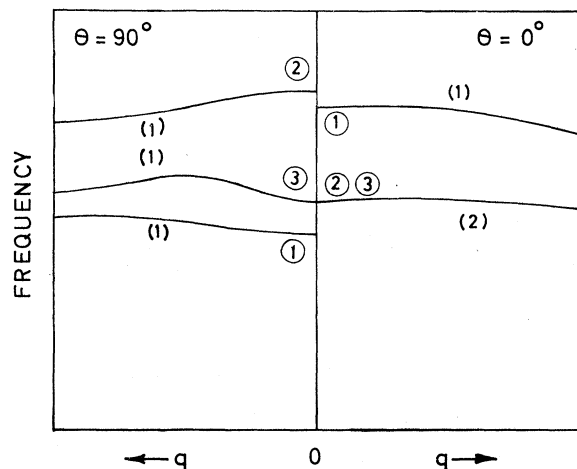


FIG. 22: Schematic plots in the electrostatic approximation of the dispersion curves for a wurtzite-type crystal. Only the branches whose limiting frequencies are infrared active are shown. $\theta=0^\circ$ corresponds to wave propagation along the c axis, while $\theta=90^\circ$ corresponds to wave propagation in a typical direction in the basal plane. The numbers in parentheses denote as usual the degeneracies. The curves sketched are based on results for CdS published in the literature. Observe the anisotropic effects in the limiting frequencies, and the removal of degeneracy for the pair (2), (3) for $\theta=90^\circ$ case. In the mode (1), the atomic displacements are parallel to the c axis, while in modes (2) and (3) they are in the basal plane

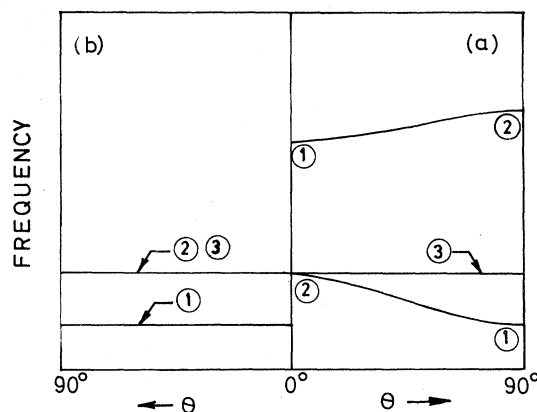


FIG. 23: Schematic drawing of the angular dependence of the limiting frequency of the infrared-active mode in wurtzite-type crystal like CdS. (a) shows the θ dependence with macroscopic field effects included. (b) shows the θ dependence in the absence of the field. In (a) the characterization (1) and (2) applies only to the extremes of the angular range, i.e., $\theta=0^\circ$ and $\theta=90^\circ$.

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION

(ACT OF OCTOBER 23, 1962; SECTION 4369, TITLE 39, UNITED STATES CODE)

1. Date of filing: October 1, 1971
2. Title of Publication: REVIEWS OF MODERN PHYSICS
3. Frequency of issue: Quarterly
4. Location of known office of publication: Prince & Lemon Sts., Lancaster, Pa. 17604
5. Location of the headquarters or general business offices of the publisher: 335 East 45th Street, New York, N.Y. 10017
6. Names and addresses of publisher, editor, and managing editor:

Publisher: American Institute of Physics
335 East 45th Street, New York, N.Y. 10017

Editor: Lewis M. Branscomb, Admin. A-1003
National Bureau of Standards, Washington, D.C. 20234

Managing editor: None
7. Owner (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding one percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual must be given). The American Physical Society, 335 E. 45 St., New York, N. Y. 10017.

8. Known bondholders, mortgagees, and other security holders owning or holding one percent or more of total amount of bonds, mortgages or other securities: None
10. Extent and nature of circulation:

A. Total no. copies printed (net press run)	12,839 *	12,286 **
B. Paid circulation		
1. Sales through dealers and carriers, street vendors and counter sales	none	none
2. Mail subscriptions	10,704 *	9,966 **
C. Total paid circulation	10,704 *	9,966 **
D. Free distribution (including samples) by mail, carrier or other means	86 *	82 **
E. Total distribution (Sum of C and D)	10,790 *	10,048 **
F. Office use, left-over, unaccounted, spoiled after printing	2,049 *	2,238 **
G. Total (sum of E & F—should equal net press run shown in A)	12,839 *	12,286 **

* Average no. copies each issue during preceding 12 months.
 ** Actual number of copies of single issue published nearest to filing date.

I certify that the statements made by me above are correct and complete.

G. F. GILBERT, *Treasurer*