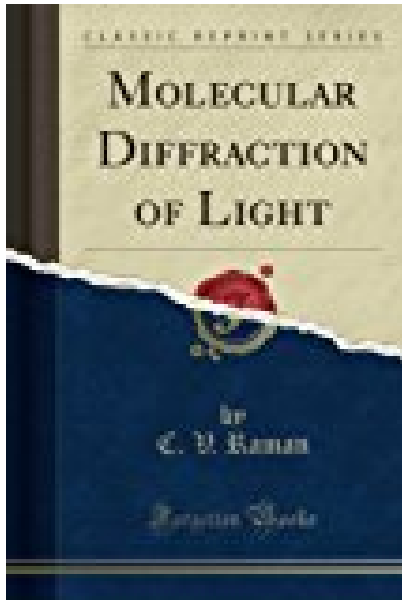


Molecular Diffraction of Light Classic Reprint



BOOK DETAILS

- Author : C. V. Raman
- Pages : 118 Pages
- Publisher : Forgotten Books
- Language : English
- ISBN : 1332314821

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BOOK SYNOPSIS

Excerpt from Molecular Diffraction of Light The fundamental importance of the subject of molecular diffraction came first to be recognized through the theoretical work of the late Lord Rayleigh on the blue light of the sky, which he showed to be the result of the scattering of sunlight by the gases of the atmosphere. It is proposed in this small volume to review the present position of the subject and to discuss the general theory of the molecular scattering of light in all refractive media, including in a comprehensive survey the case of gases, vapours, liquids, crystals and amorphous solids. Experimental observations in support of the theory are detailed, and reference is made to various phenomena in which molecular diffraction plays a part. The case of moving media is also briefly dealt with. In the course of the work, references are made to cases in which the classical wave-theory apparently fails to explain the facts relating to molecular scattering in a satisfactory manner, and in the final chapter an attempt is made to consider these cases in terms of the conception introduced by Einstein in 1905 that light is not continuous wave-motion but consists of discrete quanta moving through space. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

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