



Point Defects in Semiconductors and Insulators: Determination of Atomic and Electronic Structure from Paramagnetic Hyperfine Interactions (Paperback)

By Johann-Martin Spaeth, Harald Overhof

Springer-Verlag Berlin and Heidelberg GmbH Co. KG, Germany, 2012. Paperback. Book Condition: New. 235 x 155 mm. Language: English . Brand New Book ***** Print on Demand *****.The precedent book with the title Structural Analysis of Point Defects in Solids: An introduction to multiple magnetic resonance spectroscopy appeared about 10 years ago. Since then a very active development has occurred both with respect to the experimental methods and the theoretical interpretation of the experimental results. It would therefore not have been sufficient to simply publish a second edition of the precedent book with corrections and a few additions. Furthermore the application of the multiple magnetic resonance methods has more and more shifted towards materials science and represents one of the important methods of materials analysis. Multiple magnetic resonances are used less now for fundamental studies in solid state physics. Therefore a more pedestrian access to the methods is called for to help the materials scientist to use them or to appreciate results obtained by using these methods. We have kept the two introductory chapters on conventional electron paramagnetic resonance (EPR) of the precedent book which are the base for the multiple resonance methods. The chapter...



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