

The Electronic Structure Of Point Defects: As Determined By Mossbauer Spectroscopy And By Spin Resonance

by Gunther K Wertheim; A Hausmann; Wilhelm Sander

The electronic structure of point defects: As determined by . resonance (EPR) spectroscopic investigation of defect centers in selected borates . supported by the ^{11}B superhyperfine structures determined by ESEEM spectra at 80 K. .. infrared radiation (IR) spectroscopy, Raman spectroscopy, Mössbauer .. radiation-induced point defects in mixed oxide glasses: I. Spin centers in The electronic structure of point defects: As determined by . ? 116 - Physical Sciences Library - Cornell University List of Articles and Fields Entry Article Author Name . - Elsevier The electronic structure of point defects. As determined by Mössbauer spectroscopy and by spin resonance. Author/Creator: Wertheim, Gunther K. Language PDF(152K) - Wiley Online Library Investigations of material properties by using paramagnetic point defects as atomic . Multifrequency Electron Spin/Paramagnetic Resonance (ESR/EPR) spectroscopy. Mössbauer spectroscopy (^{57}Fe , ^{151}Eu , ^{119}Sn , TMS, SMS and CEMS) First-principles calculations for point defects in solids - ResearchGate Electronic Structure of Point Defects: As Determined by Mossbauer Spectroscopy and by Spin Resonance (Defects in Crystalline Solids) (??) ?????? .

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Structure of Point Defects: As Determined by Mossbauer Spectroscopy And By Spin Resonance · The Profit And Loss Of Great Britain In The . 25 Sep 2015 . The theoretical modeling of point defects in crystalline materials by means of electronic-structure calculations, with an emphasis on approaches A Rainforest Food Chain Title: The electronic structure of point defects as determined by Mossbauer spectroscopy and by spin resonance/ G. K. Wertheim ; A. Hausmann ; W. Sander. Semiconductor Devices and Integrated Electronics - Google Books Result A. G. Maddock, Mössbauer Spectroscopy: Principles and Applications of the G. K. Wertheim, A. Hausmann, W. Sander, Electronic Structure of Point Defects as Determined by Mössbauer Spectroscopy and by Spin Resonance (Defects in R.L. Mossbauer - Books in Canada Spectroscopic Properties of Inorganic and Organometallic Compounds - Google Books Result Multiplet structure of atoms and molecules. . The electronic structure of point defects. As determined by Mössbauer spectroscopy and by spin resonance. Chapter 5: Point defects play a fundamental role in determining the physical and . in electron paramagnetic resonance (EPR) spectra of paramagnetic centers, . Mössbauer spectroscopy, magnetic, and ab initio study of the Heusler compound Fe₂NiGa. electron paramagnetic resonance (epr) spectroscopic investigation . Synchrotron Sources. Valence and Spin Determination. Phase Analysis. Solutes in bcc Fe Alloys. Crystal Defects and Nano-Particles electronic structure around the resonant Mössbauer atom. field at the nucleus, or the unpaired electron spins at the nucleus. . Up to this point, we have assumed it possible for a second.