



DOWNLOAD



## Defects in Solids

By Tilley, Richard J. D.

Wiley-Interscience, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!  
 Summary: Preface.1. Point Defects.1.1 Introduction.1.2 Point and Electronic Defects in Crystalline Solids.1.3 Electronic Properties: Doped Silicon and Germanium as Examples.1.4 Optical Properties: F Centers and Ruby as Examples.1.5 Bulk Properties.1.6 Thermoelectric Properties: The Seebeck Coefficient as an Example.1.7 Point Defect Notation.1.8 Charges on Defects.1.9 Balanced Populations of Point Defects: Schottky and Frenkel Defects.1.10 Antisite Defects.1.11 Defect Formation and Reaction Equations.1.12 Combinations of Point Defects in Pure Materials.1.13 Structural Consequences of Point Defect Populations.1.14 Answers to Introductory Questions.Problems and Exercises.References.Further Reading.2. Intrinsic Point Defects in Stoichiometric Compounds.2.1 Equilibrium Population of Vacancies in a Monatomic Crystal.2.2 Equilibrium Population of Self-Interstitials in a Monatomic Crystal.2.3 Equilibrium Population of Schottky Defects in a Crystal.2.4 Lithium Iodide Battery.2.5 Equilibrium Population of Frenkel Defects in a Crystal.2.6 Photographic Film.2.7 Photochromic Glasses.2.8 Equilibrium Population of Antisite Defects in a Crystal.2.9 Intrinsic Defects: Trends and Further Considerations.2.10 Computation of Defect Energies.2.11 Answers to Introductory Questions.Problems and Exercises.References.Further Reading.3. Extended Defects.3.1 Dislocations.3.2 Edge Dislocations.3.3 Screw Dislocations.3.4 Mixed Dislocations.3.5 Unit and Partial Dislocations.3.6 Multiplication of Dislocations.3.7 Interaction of Dislocations and Point Defects.3.8 Dislocations in Nonmetallic Crystals.3.9

### Reviews

*Without doubt, this is the best job by any writer. It is amongst the most incredible ebook i have got study. You may like how the author write this publication.*

-- **Dr. Brendon Kautzer II**

*This ebook is great. It can be rally intriguing through studying time period. Your lifestyle period is going to be convert as soon as you full looking over this ebook.*

-- **Stanton Connelly**

## Relevant Kindle Books



### [Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus \(I Can Read Book 2\)](#)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How and Which Niche? Market Analysis: Who Are...



### [Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep](#)

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children unwind and go to sleep. The underlying...



### [The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 \(Stay Current with Adobe Creative Cloud\)](#)

Cengage Learning, 2012. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: You can now maximize and integrate the design and development power of Adobe Creative Suite 6 with WEB COLLECTION REVEALED PREMIUM EDITION. This one of...



### [Maisy's Christmas Tree](#)

Candlewick, 2014. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: The final scene of the gang caroling around the tree, complete with paper crowns from British Christmas crackers, is delightful. Toddlers celebrating the holiday will enjoy...



### [TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children \(2-4 years old\) in small classes \(3\)\(Chinese Edition\)](#)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



### [The Clever Detective Boxed Set \(a Fairy Tale Romance\): Stories 1, 2 and 3](#)

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.After six years as a private investigator, Stacey Alexander has the strangest day of her life when she falls down...