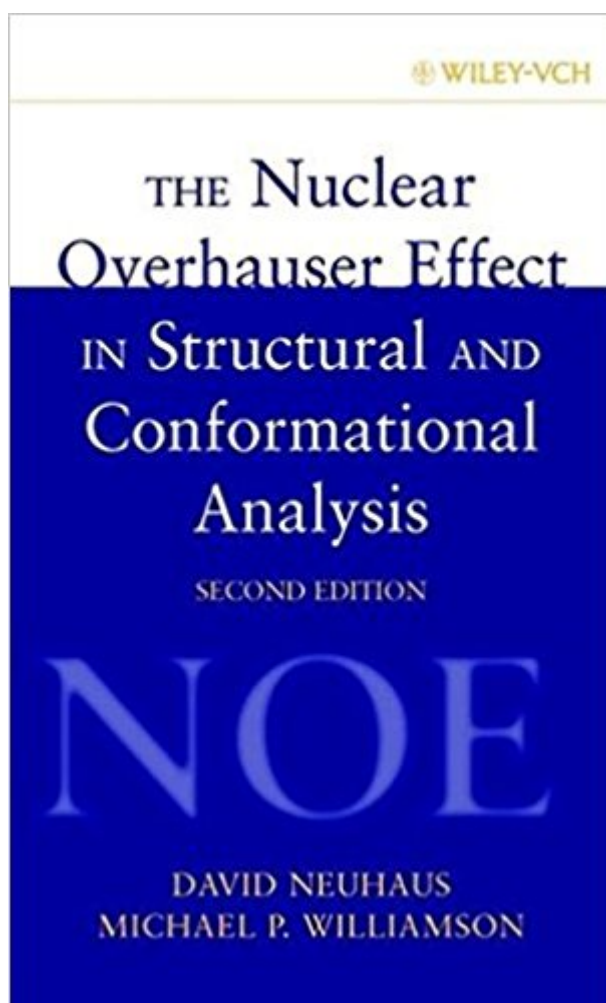


The book was found

# The Nuclear Overhauser Effect In Structural And Conformational Analysis, 2nd Edition



## Synopsis

An authoritative review of the state of the art in the Nuclear Overhauser Effect-essential information for organic chemists, biochemists, biophysicists, and NMR spectroscopists. The field of NMR spectroscopy has seen tremendous growth in the last twenty years, particularly advances relating to Nuclear Overhauser Effect (NOE) spectroscopy-the most powerful technique for obtaining structural information on molecules in solution. Extensive and engaging, the Second Edition of the leading reference on the NOE is significantly updated to reflect the latest changes and new approaches in the field. Neuhaus and Williamson provide an essential guide to the complexities and use of the NOE in a readily accessible, straightforward manner. Their practical handbook features a new chapter addressing the use of NOE data to calculate biomolecular structures. Chapters dealing with the kinetics of the NOE, the effects of exchange and internal motion, and applications of the NOE, are also extensively revised. Cross-referenced in remarkable depth, *The Nuclear Overhauser Effect* is organized into three main parts: \* Part I describes the theory of the Nuclear Overhauser Effect in a clear, comprehensive fashion \* Part II discusses the considerations involved in implementing NOE experiments, including full coverage of all necessary details for both new and established techniques \* Part III offers examples of how the NOE is used, including applications to defining molecular geometry, stereochemistry, conformation, and biomolecular structure and interactions. *The Nuclear Overhauser Effect in Structural and Conformational Analysis, Second Edition*, uniquely explains the NOE in detail, making it an indispensable resource for the novice as well as the experienced NMR researcher.

## Book Information

Hardcover: 656 pages

Publisher: Wiley-VCH; 2 edition (April 10, 2000)

Language: English

ISBN-10: 0471246751

ISBN-13: 978-0471246756

Product Dimensions: 6.4 x 1.4 x 9.5 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #754,198 in Books (See Top 100 in Books) #218 in [Books > Science & Math > Chemistry > Analytic](#) #250 in [Books > Science & Math > Chemistry > Industrial & Technical](#) #570 in [Books > Science & Math > Chemistry > Physical & Theoretical](#)

## Customer Reviews

"Describes the theory of the nuclear Overhauser effect, discusses the considerations involved in implementing NOE experiments, and offers examples..." (SciTech Book News, Vol. 24, No. 4, December 2000)

This book is a comprehensive treatment of the nuclear Overhauser effect (NOE), an important branch of NMR spectroscopy concerned with structural and conformational problems. This volume presents the applications to an ever-increasing variety of structural and conformational problems to chemistry and biochemistry. The book gives a very clear and integrated account of all these developments. It covers theory, experimental practice, and applications in a unified manner. --This text refers to an out of print or unavailable edition of this title.

[Download to continue reading...](#)

The Nuclear Overhauser Effect in Structural and Conformational Analysis, 2nd Edition Nuclear Prepared - How to Prepare for a Nuclear Attack and What to do Following a Nuclear Blast: Everything you Need to Know to Plan and Prepare for a Nuclear Attack Nuclear energy. Radioactivity. Engineering in Nuclear Power Plants: Easy course for understanding nuclear energy and engineering in nuclear power plans (Radioactive Disintegration) Conformational Analysis of Medium-Sized Heterocycles (Methods in Stereochemical Analysis) Structural Analysis and Synthesis: A Laboratory Course in Structural Geology, 2nd Edition Handbook of Nuclear Chemistry: Vol. 1: Basics of Nuclear Science; Vol. 2: Elements and Isotopes: Formation, Transformation, Distribution; Vol. 3: ... Nuclear Energy Production and Safety Issues. Molecular Mechanics and Conformational Analysis in Drug Design The Conformational Analysis of Heterocyclic Compounds Structural Analysis and Synthesis: A Laboratory Course in Structural Geology 3rd (third) edition by Rowland, Stehen M., Duebendorfer, Ernest M., Schiefelbein, I published by Wiley-Blackwell (2007) [Spiral-bound] Structural Analysis and Synthesis: A Laboratory Course in Structural Geology Cause & Effect: The September 11 Attacks (Cause & Effect in History) Structural Dynamics of Earthquake Engineering: Theory and Application Using Mathematica and Matlab (Woodhead Publishing Series in Civil and Structural Engineering) Radiochemistry and Nuclear Methods of Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Strengthening of Reinforced Concrete Structures: Using Externally-Bonded Frp Composites in Structural and Civil Engineering (Woodhead Publishing Series in Civil and Structural Engineering) Nuclear Energy, Seventh Edition: An Introduction to the Concepts, Systems, and Applications of Nuclear Processes

Nuclear Energy, Fourth Edition: An Introduction to the Concepts, Systems and Applications of Nuclear Processes Nuclear Energy, Fourth Edition: An Introduction to the Concepts, Systems, and Applications of Nuclear Processes (Pergamon Unified Engineering Series) Nuclear War Survival Skills (Upgraded 2012 Edition) (Red Dog Nuclear Survival) The Techniques of Modern Structural Geology, Volume 3: Applications of Continuum Mechanics in Structural Geology Nuclear Reaction Data and Nuclear Reactors: Physics, Design, and Safety

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)