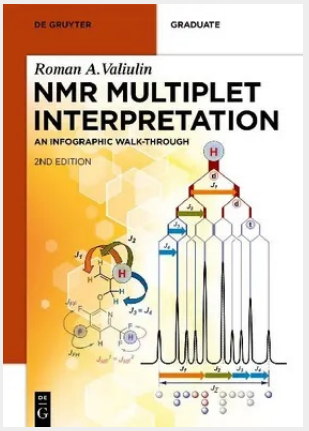
Valiulin

NMR Multiplet Interpretation

An Infographic Walk-Through

NMR Multiplet Interpretation: An Infographic Walk-Through focuses on complex first-order H multiplet interpretation that the synthetic organic chemist should expect to tackle. The also expands upon the interpretation of (H and F) multiplets and ties the shape of multiplets to the structural features of hypothetical chemical compounds. The book provides thoroughly-visualized illustrations, embracing an elegant and intuitive methodology from the scientific literature. Moreover, it identifies core mnemonic rules and diagrams that help the reader quickly internalize key concepts. It includes progressively-challenging problems—from simple, intermediate, advanced, to expert—and corresponding colorful answer keys that are presented wholly-visually. While this is not a textbook nor a scientific publication, it does strive to be a unique learning tool that fills an apparent need for highly-visual pedagogical materials for chemists who want to develop practical confidence with first-order multiplet interpretation and prediction. It can be either a great companion to more traditional coursework in NMR spectroscopy for students or a continuing educational tool for researchers.

NMR Multiplet Interpretation: An Infographic Walk-Through focuses on complex first-order 1H multiplet interpretation that the synthetic organic chemist should expect to tackle. The 2nd edition also expands upon the interpretation of (1H and 19F) multiplets and ties the shape of multiplets to the structural features of hypothetical chemical compounds. The book provides thoroughly-visualized illustrations, embracing an elegant and intuitive methodology from the scientific literature. Moreover, it identifies core mnemonic rules and diagrams that help the reader quickly internalize key concepts. It includes progressively-challenging problems-from simple, intermediate, advanced, to expert-and corresponding colorful answer keys that are presented wholly-visually. While this is not a textbook nor a scientific publication, it does strive to be a unique learning tool that fills an apparent need for highly-visual pedagogical materials for chemists who want to develop practical confidence with first-order multiplet interpretation and prediction. It can be either a great companion to more traditional coursework in NMR spectroscopy for students or a continuing educational tool for researchers.



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