



NMR Spectroscopy: Basic Principles, Concepts, and Applications in Chemistry, 2nd Edition

By *Harald Günther*

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As with its predecessor, this edition uses a practical non-mathematical approach. Features a number of recent developments in the field including two-dimensional methods, solid state NMR and an enlarged treatment of Fourier Transform methods. Contains numerous two-color diagrams.

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Editorial Review

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From the Back Cover

NMR spectroscopy is one of the most powerful and widely used techniques in chemical research. This second edition of the highly successful textbook NMR Spectroscopy provides a comprehensive introduction to the basics of the technique, combined with its more advanced applications to organic chemistry. A highly practical, non-mathematical approach is adopted, with many examples taken from organic chemistry. This new edition has been thoroughly revised and extended to include recent important advances in n.m.r. spectroscopy. These include a new chapter on two-dimensional methods, an enlarged treatment of Fourier transform methods, an introduction to the product operator formalism of modern pulse n.m.r., the description of gradient enhanced experiments and a new section on solid state n.m.r. The introductory chapters provide the necessary underpinning knowledge for newcomers to the technique. Problems, with solutions, are included. NMR Spectroscopy: Basic principles, concepts, and applications in chemistry is a highly comprehensive textbook which will be invaluable to undergraduate and graduate students of organic chemistry, spectroscopy or biochemistry, and to researchers using this well established and extremely important technique.

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