

Much of this book would provide an excellent introduction to this topic for a graduate student or post-doctoral worker, intending to be a professional NMR spectroscopist. However, it seems to be aimed rather more at the organic or inorganic chemist, who needs to use these techniques on an irregular basis, to solve specific problems. This is a difficult audience, who often have little interest in getting to grips with the mathematics, or even the details, of the technique, but simply wish to obtain the required result in the optimal manner. For them this will prove a useful reference work; the mathematics may readily be skipped, and the guides to interpretation are excellent.

I could have wished that the examples chosen had not been so exclusively organic/natural product in character. Whilst these have certainly been most important applications of these techniques, there are also many useful applications in inorganic and organometallic chemistry. Overall, however, this is a good book, which libraries should certainly purchase.

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Corrigendum

Re: Design and application of a reflux modification for the synthesis of organometallic compounds using microwave dielectric loss heating effects; by D. R. Baghurst and D. Michael P. Mingos (*J. Organomet. Chem.*, 384 (1990) C57–C60).

Page C60, the following sentence should be added to the text:

The absence of bulk super-heating means that the kinetics of homogeneous reactions are not altered, but localised super-heating effects at interfacial boundaries may contribute to a reduction in the overall time required for a preparative or dissolution reaction.