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3 Modern Homo- and Heteronuclear 1D and 2D NMR Experiments: A Short Overview3.1 Introduction; 3.2 The NMR Experiment; 3.3 1D Experiments; 3.3.1 1H Experiments; 3.3.1.1 1H One Pulse Experiment; 3.3.1.2 1H {1H} Selective Decoupling Experiment [3.1]; 3.3.1.3 1H {1H} Total Correlation Spectroscopy (TOCSY) Experiment [3.2]; 3.3.1.4 1H {1H} Nuclear Overhauser (NOE) Experiment [3.3]; 3.3.1.5 1H {1 H} Nuclear Overhauser Experiment in the Rotating Frame (ROE) [3.4]; 3.3.2 13C Experiments; 3.3.2.1 13C One-Pulse Experiment; 3.3.2.2 13C DEPT Experiment [3.5]; 3.3.2.3 13C JMOD (APT) Experiment [3.6,3.7] 3.3.2.4 13C T1 Inversion-Recovery Experiment [3.8,3.9]3.4 2D Experiments; 3.4.1 1H/1H Experiments [3.10,3.11]; 3.4.1.1 1H/1H COSY Experiment [3.10,3.11]; 3.4.1.2 1H/1H TOCSY Experiment [3.12,3.13]; 3.4.1.3 1H/1H NOESY and 1H/1H ROESY Experiments [3.14,3.15]; 3.4.1.4 1H/1H J -Resolved Spectroscopy Experiment [3.16]; 3.4.2 1H/13C Experiments; 3.4.2.1 1H/13C Shift Correlation Spectroscopy via 1JCH[3.17- 3.21]; 3.4.2.2 1H/13C Shift Correlation Spectroscopy via nJCH[3.22]; 3.4.2.3 1H/13C Shift Correlation Spectroscopy via 1JCH and 1H/1H TOCSY Transfer [3.23]; 3.5 Recommended Reading
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4.7.2.1 Page Layout Dialog Box in Normal 1D Display Mode

Sommario/riassunto

Text for the series ""Spectroscopic Techniques"":Leading software designers and teachers of spectroscopy have pooled their expertise to devise a new series ""Spectroscopic Techniques: An Interactive Course"". User are able to gain a better understanding of a variety of spectroscopic techniques in these step-by-step guides.Let the experts show you new solutions to practiced problems using software provided on the interactive CD-ROM.

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Nota di contenuto	Seamless Model-based System Development: Foundations -- From Bounded Reachability Analysis of Linear Hybrid Automata to Verification of Industrial CPS and IoT -- Weakest Preexpectation Semantics for Bayesian Inference: Conditioning, Continuous Distributions and Divergence -- K - A Semantic Framework for Programming Languages and Formal Analysis Tools -- Software Abstractions and Human-Cyber-Physical Systems Architecture Modelling.
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School on Engineering Trustworthy Software Systems, SETSS 2019, held in Chongqing, China, in April 2019. The five chapters in this volume provide lectures on leading-edge research in methods and tools for use in computer system engineering. The topics covered in these chapters include Seamless Model-based System Development: Foundations; From Bounded Reachability Analysis of Linear Hybrid Automata to Verification of Industrial CPS and IoT; Weakest Preexpectation Semantics for Bayesian Inference: Conditioning, Continuous Distributions and Divergence; K – A Semantic Framework for Programming Languages and Formal Analysis Tools; and Software Abstractions and Human-Cyber-Physical Systems Architecture Modelling.