Spectrometer manager: A versatile control software for pulse EPR spectrometers

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Abstract

A versatile control software for pulse EPR spectrometers is introduced. Common and task-specific problems are discussed and their solutions are described. The software provides the full spectrum of possibilities needed to perform arbitrary multidimensional pulse experiments. It allows for an easy interfacing of commonly used hardware components and enables straightforward modifications of the spectrometer. Good performance, configurability, and a number of unique features turn this software into an excellent tool for the operation of modern EPR spectrometers and upgrading old ones. © 2005 Wiley Periodicals, Inc.

Keywords

Control software, Pulse EPR, Pulse-programming language