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Title:	Bimodal Floquet theory of phase-modulated heteronuclear decoupling experiments in solid-state NMR spectroscopy
Authors:	Garg, Rajat (/jspui/browse?type=author&value=Garg%2C+Rajat) Pandey, Manoj Kumar (/jspui/browse?type=author&value=Pandey%2C+Manoj+Kumar) Ramachandran, Ramesh (/jspui/browse?type=author&value=Ramachandran%2C+Ramesh)
Keywords:	Spin operator Nuclear magnetic resonance spectroscopy,
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Publisher:	AIP Publishing
Citation:	The Journal of Chemical Physics, 155(10), 104102.
Abstract:	A prescription based on bimodal Floquet theory is proposed to describe the nuances of phase-modulated supercycled decoupling experiments in solids. The frequency dependent interaction frames relevant to a particular supercycle are identified to facilitate faster convergence of perturbation corrections to the derived effective Hamiltonians. In contrast to silico-based methods, the proposed analytic method offers an attractive platform for faster optimization of experiments in solids. Additionally, the relevance of supercycling at ultrafast spinning conditions is also discussed.
Description:	Only IISER Mohali authors are available in the record.
URI:	https://pubs.aip.org/aip/jcp/article/155/10/104102/1013258/Bimodal-Floquet-theory-of-phase-modulated (https://pubs.aip.org/aip/jcp/article/155/10/104102/1013258/Bimodal-Floquet-theory-of-phase-modulated) http://hdl.handle.net/123456789/5034 (http://hdl.handle.net/123456789/5034)
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