Title:	On the Equivalence of Different Averaging Techniques in Magnetic Resonance
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Keywords:	NMR Methodology A quantum mechanical view of NMR Time Evolution of the System Floquet Theory
Issue Date:	13-Sep-2018
Publisher:	IISERM
Abstract:	Averaging Schemes are employed in NMR Methodology on a regular basis to describe the time evolution of the spin system. In this thesis we employ two different Averaging Schemes to describe the spin dynamics under two types of decoupling sequences: (A) Continuous Wave (CW) and (B) X-inverseX (XiX). Effective Hamiltonians for model spin systems are obtained using the two Averaging Schemes and their exactness is tested by comparing them with simulations obtained from numerical methods.
URI:	http://hdl.handle.net/123456789/1060 (http://hdl.handle.net/123456789/1060)
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