

Non-Markovian Dynamic and NMR Spectra in Solids

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The influence of non-Markov molecular motions on NMR absorption spectra has been investigated. It has been shown that the simple non-Markov model of water molecular motion with fluctuations driven by dichotomic noise very well explains the observed temperature dependence of NMR spectra in the mineral natrolite. – PACS number: 05.40.+j, 33.25.+k, 76.20.+q

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