

Evolution of polarization of three spin groups and their contribution to line shape NMR in solids

© Tatiana P. Kulagina,¹⁺ Grigory E. Karnaukh,¹ and Sergey A. Andrianov^{1,2*}

¹Institute of Problems of Chemical Physics RAS. Prospect Semenova, 1. Chernogolovka, 142432.

Moscow Region. Russia. Phone: +7 (496) 522-18-79. E-mail: tan@icp.ac.ru

²Moscow Aviation Institute. Volokolamskoe Shosse, 4. Moscow, 125993. Russia.

Phone: +7 (499)158-43-33. Fax: +7 (499) 158-29-77.

*Supervising author; ⁺Corresponding author

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Abstract

In this work the kinetic equation of NMR spectra in solids containing selected three-spin groups is obtained. From the equation for density matrix the analytical expression of free induction signal decay for the system of three dipolar-connected spins has been calculated.