

Applied Magnetic Resonance 1998 vol.14 N4, pages 513-524

Nuclear spin-lattice relaxation in germanium single crystals

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Abstract

The temperature dependence of the spin-lattice relaxation time corresponding to the inelastic scattering of phonons by the ^{73}Ge quadrupole moment in Ge single crystals is calculated in the framework of the adiabatic bond charge model. The results obtained agree with the experimental data. © Springer-Verlag 1998 Printed in Austria.
