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The relaxing Tl^{2+} defects in crystals of β - K_2SO_4 group

Efimov V., Mamin G.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

EPR of Tl^{2+} ions in K_2SO_4 , Rb_2SO_4 , Cs_2SO_4 crystals have been studied. Noncentrality of Tl^{2+} (II) ions was observed. Activation energy values of $Tl(II)$ complexes motion were obtained. Anomalous temperature dependence of EPR line position and appearance of new EPR lines in Rb_2SO_4 , Cs_2SO_4 crystals were observed.
