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## INVESTIGATION OF LUMINESCENCE PROPERTIES OF TERBIUM DOPED $\text{Mg}_2\text{SiO}_4$ DOSIMETERIC MATERIAL

Dosimetric characteristics of thermoluminescence(TL) material principally depend on kinetic parameters describing the TL mechanism in the phosphor. Therefore, any reliable dosimetric study of new thermoluminescent materials should include the determination of kinetic parameters, order of kinetics  $b$ , activation energy  $E$  and frequency factor  $s$ . In this study, kinetic parameters of  $\text{Mg}_2\text{SiO}_4:\text{Tb}$  dosimeter have been analyzed in terms of TL and also effect of photo-transferred TL (PTTL) has been investigated via various light sources

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