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Dependence of the probability of explosion on the exposure at impulse photoinitiation

© Anton S. Zverev,* Alexander G. Krechetov,* Anatoly Yu. Mitrofanov, Ilia M. Obodovskii,* and Anastasia O. Terent'eva*

Department of Physical Chemistry. Kemerovo State University. Krasnaya St., 6. Kemerovo, 650043. Russia. Phone: +7 (384-2) 58-81-17. E-mail: lira@kemsu.ru

*Supervising author; *Corresponding author

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Abstract

We analyzed the dependence of probability of explosion on exposition at the impulse photoinitiation of energy materials. Given the localized nature of the process of nucleation of explosive decomposition reaction, we obtained the expressions that describe this dependence. The resulting equations describe the experimental data.