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## Research Details :

Research Title : KINETIC-ANALYSIS OF THERMAL-DECOMPOSITION REACTIONS .8. RADIATION EFFECTS ON THE THERMAL-DECOMPOSITION OF AMMONIUM OXALATE MONOHYDRATE  
KINETIC-ANALYSIS OF THERMAL-DECOMPOSITION REACTIONS .8. RADIATION EFFECTS ON THE THERMAL-DECOMPOSITION OF AMMONIUM OXALATE MONOHYDRATE

Descriptipn : The effects of gamma radiations on the kinetic parameters of the dynamic thermal decomposition-gasification reactions of ammonium oxalate monohydrate have been investigated using differential thermal analysis and thermogravimetry techniques. Kinetic analysis of the dynamic TG results are discussed in view of a composite integral method in comparison with the integral methods due to Coats and Redfern and to Ozawa. The activation parameters for the non-irradiated and irradiated samples are calculated and the results of the different methods of data analysis are compared and discussed.

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