

## **Investigation of Disbalanced Processes in Oligomeric Polyefyrs**

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This work presents results of an acoustic spectra investigation of some substances (such as polyethyleneglicols, polytetramethyleneglicols, and formed on their base telechelic and halatotelechelic polymers). Experiments were conducted in the interval of temperatures 303-383 K and in frequency band 3 - 1500 MHz. The talk also describes methods of thermodynamic characteristic calculation for viscous flow and acoustic spectra calculations for oligomers glycols. Acoustic process parameters depend on the length and the nature of end-functional groups. The characteristics of this influence have been obtained in this work. I have learned that molecular mechanisms of rotational isomeric and structural relaxation ruled all the relaxation processes. Their kinetic and thermodynamic parameters calculations are presented in the essay.