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**MULTIMASS MODEL OF DYNAMICS OF MOVEMENT OF THE  
SCRAPER CONVEYOR WITH THE ACCOUNT  
OF DISSIPATIVE FORCES**

*In paper multimass mathematical model for definition of dynamic loadings in a drive and traction body of scraper conveyor is offered. Influence of dissipative forces on character of fluctuations which arise in traction body of conveyor is defined. Results of theoretical research of dynamics of movement of scraper conveyor are presented in the form of graphic dependences.*

**Keywords:** *multimass mathematical model, dynamic model, dissipation coefficient, dynamic loads, differential equation of motion.*