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Method of Shaping Loading-and-Transportation System in Deep Open Pit Complex Ore Mines(Article)

Kumykova, T.M. Email Author, Kumykov, V.K. View Correspondence (jump link)

Serikbaev East Kazakhstan State Technical University, ul. A. K. Protozanova 69, Ust-Kamenogorsk, 070004 Republic of, Kazakhstan

## Краткое описание

The article presents a procedure to select loading and transportation machines for an open pit complex ore mine. The choice of a shovel—dump truck production system is validated using a statistical testing method (Monte Carlo technique). Stop-watch readings allowed relating the productivity of the production system, degree of ore fragmentation and content of oversizes; the soundness of the choice of the production system based on the revealed criterion was proved. Using the law of the Palm flows, the authors determine the number and sequence of dump trucks for loading in a one-server system. © 2017, Pleiades Publishing, Ltd.