

Simulation and modelling of a loading process of mineral raw materials

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The mineral resources is an integral part of goods circulation. The loading process is already carried out during the excavation (underground or on the surface), carried out using various types of loaders and into the vehicles. The loading process is then carried out in subsequent stages of the material transportation and processing. Therefore, loading normally represents a part of technological and conveyance systems. Research discussed in the paper is focused on the loading process of mineral resources while applying simulation approach. The simulation has remarkable potential also in terms of further research in the given area. These models are applicable in practice as an auxiliary tool for the planning process of loading of raw materials and other bulk material. The simulation models presented in this paper is only one possible solution.