

ABSTRACT

In the degree project the automated electric drive conveyor is considered and pays off I prityagovatsya force of the lamellar conveyor and chose the engine capacity and types. The T-shaped equivalent circuit pays off. And also, constructed artificial mechanical and electromechanical characteristics. The type of the electric drive, which regulated, and calculated its parameters was chosen. The state of emergency mathematical model of the lamellar conveyor is described, the model by means of the computer program is made virtual. By means of this program schedules of angular speed and transition processes are output.

In the section of health and safety it is considered measures of observance of safety measures when using the electric drive of the tape conveyor, a laborprotection condition before work, illumination of the working room and system of automatic fire extinguishing pays off.

And in economic part it is considered capital expenditure, costs of a salary, of the electric power, depreciation charges, economic efficiency and payback time.