

## **Annotation**

In my thesis the control system of alignment of an antitension in a direct-flow drawing camp which considers a difference of speeds between the first and second engines is developed. It is also created structural and mathematical models of the asynchronous electric drive of a drawing camp. In work the created program of synthesis of parameters of a control system of the two-engine electric drive of a direct-flow drawing camp is shown. Stability of the movement of a direct-flow drawing camp in the Matlab system is developed.

In the section labor protection questions on security measures during the work with drawing camps are considered, to rationing of a microclimate in the working area of shop with the drawing equipment, protective grounding is calculated, analysis of working conditions of employees of shop is done.

The feasibility study on work which proves its efficiency, at a payback period in 7 months is done.