

SUMMARY

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The aim is to investigate the process of grinding, and its optimization, based on the new patterns between the mashiny conditions and the quality of the surface layer.

Object of study is the wheelhead machine.

Subject of research - basic accuracy parameters of the grinding machine parts.

Research methods ate the method of " mathematical modeling ".

Master's qualification work on "Investigation of the grinding process to the development of grinding wheelhead semiautomatic." Master's work is devoted to the influence of process parameters on the grinding surface roughness.

The paper contains the graphical material and the explanatory note. Graphic material contains all the necessary design work and technological adjustment. The a explanatory note memorandum gives all the necessary technological, engineering and economic calculations.

Master's thesis contains 155 pages, formulas, tables, figures, appendices, 13 sources of literature. Graphic part is 10 letters.

Key words: Precision grinding, grinding machine.