

Summary

Fialka Bogdan. Master's Diploma Paper. The topic "Precision reseatch and design development of coordinate boring machine operation unit".

Object of research: basic units, working bodies, and partsadvenced jig boring mashine

Objective: To investigate the accuracy and improvements in the design of executive jig boring machine

Purpose of the study: accuracy of parameters executive of the machine.

Methods: method of "finite elements".

In the thesis, work is conducted:

- Analysis formative movements on the mashine;
- Optimization Layounts machine;
- Designing kinematic scheme of the machine;
- Calculation gearbox spindle;
- Calculation spindle hub;
- Calculation about moving the bar;
- Calculation clamping tools;
- Description of the protection of labor.

Keywords: machine kinematics, spindle hub, portal gearbox