

Summary

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In the research paper entitled "Modeling precision and stressed-strained state of the clamping chuck hydraulic copy Machine tools" reasonably objective of modernization, which is related to the displacement axis adjustment to ensure the accuracy of stable operation without any additional stress mode processing.

Modernization of machine tools tied to fashion. 1713, laid the basis for the modernization of design spindle unit, special lathe chucks to handle curved axes.

The essence of menus and graphical material explanatory note. Graphic material containing all the necessary design work and technological adjustment. In a memorandum given all the necessary technology, engineering and economic calculations.

Capacity is 13 sheets of A1 and explaining Note - 161 Art.

The aim - to investigate the stress-strain state and precision clamping chuck hidrokopirivalnoho machine.

Object of study - spindle machine with a special cartridge.

Subject of research - Parameters accuracy of execution of machine model 1713.

Methods: method of "finite element" method and the "golden-section."

Key words: Stress-strain state, the spindle, the final element.