

## Summary

Kindrat D.Yu. Master Thesis: Research of precision moving X-Y table of universal milling machine with CNC mod. 6R13F3. 187 pages., \_\_\_ Fig. 19 tables, source of graphics (40 sheets of A1).

**Object of study** – X-Y table milling machine for deployment of prismatic parts and forms.

**Work purpose.** Accuracy of movement of table of the milling machine.

The aim is to establish the value of precision moving table milling machine CNC for forming geometric precision processing parts according to technological requirements.

To achieve this goal it is necessary to perform the following tasks:

- To conduct a patent search tables of machine tools;
- To analyze the structural features tables NRA;
- To determine the optimum design table milling machine, which would provide positioning accuracy and minimal lag;
- Perform mathematical modeling of moving parts moving table milling machine.

The study developed a mathematical model of the machine and tools.

MATHEMATICAL MODEL, CRUSADE TABLE, MACHINES, TOOLS, ACCURACY CONTROL., ARRANGEMENTS.