

MD.7.

- Title** **Unconventional digital gear manufacturing technologies with non-standardized profiles from precessional transmissions**
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The success of the competition in which the producers of new industrial products are engaged is based on the time consumed in the activities of designing, making prototypes, testing and putting them into manufacturing. The main performance factors in the development of a new product are the reduction of the time and the costs of carrying out all the steps prior to its launch on the market.

Description
EN

The research field refers to the technological development of precessional transmissions.

The time and costs of achieving the precessional transmissions mostly refer to the manufacture of central wheels with non-standard convex-concave profiles and to the satellites with circular arch profiles of the teeth.

These objectives were achieved by developing unconventional technologies based on digital manufacturing.

Class no.