

## CONCLUSIONS

1. The method of ion-plasma spraying was done abrasion-resistant coating based on TiN.

2. Analysis of the microstructure of the coating showed that with increasing time of spraying drip phase decreases.

3. Analysis of microhardness showed that after coating hardness increased 10-11 times.

4. Calculation of fracture showed that coated parts is more trischynostiyki.

5. Through calculations microhardness drip phase found that a drip phase reduces the hardness of the coating.

6. The paper calculated the planned cost estimate of this thesis with all types of identified resources.

7. the scientific - technical relevance and economic feasibility of the work.

8. Developed measures to ensure healthy working conditions, and the principles of safety in an emergency.