

CONCLUSIONS

This bachelor research work were obtained alloys of ZrO_2 - NbB_2 with different content NbB_2 . According to research found that the content of 40 % Niobium diboride eutectic alloy formed at $T_m = 2050\text{ C}^\circ$

Microstructural analysis revealed that the resulting eutectic plate has a structure corresponding theoretical understanding of structure formation eutectic alloys [29].

X-ray studies established the presence of two phases - ZrO_2 and NbB_2 , which may indicate a lack of interaction between the components of ZrO_2 - NbB_2 .

Determined scientific and technical research relevance, cost estimates calculated planned and ongoing research conducted economic feasibility of the research work and found that the study is appropriate from an economic point of view.

Analyzed parameters of indoor climate, lighting, noise, dust working area dust, electrical and fire security and found that all the indicators meet optimal standards or permissible value according to the Law of Ukraine "On Labor Protection".