

CONTENT

<i>Kaletina Yu.V., Greshnova E.D., Kaletin A.Yu., Pilugin V.P.</i> Influence of the deformation on structure and properties of heusler alloy $\text{Ni}_{47}\text{Mn}_{42}\text{In}_{11}$	5
<i>Krivososova E.A., Shchitsyn Iu.D., Akulova S.N., Myshkina A.V., Neulybin S.D., Belinin D.S.</i> Reduction of the defects of heat-resistant nickels alloys in surfacing technologies.....	12
<i>Loyko A.M., Boyko A.F.</i> Research of the multifactorial dependences of the dimensions of microholes on the basic parameters of the electrical discharge machining.....	20
<i>Zhilin S.G., Komarov O.N., Sosnin A.A., Bogdanova N.A.</i> How elastic response affects dimensional geometric characteristics of an extended compact that is been obtained from a waxy material by mouthpiece extrusion	27
<i>Tokarev D.I., Drozdov A.A., Gulyaev M.N., Sirotenko L.D., Islamov V.F.</i> Features turning plastics F-4, PA-6, F-4K20.....	35
<i>Rekstin A.F., Galerkin Y.B.</i> Low-flow rate centrifugal compressor stages primary design specificity	43
<i>Trapeznikov N.V., Shumkov A.A., Matygullina E.V., Ablyaz T.R.</i> Designing CAD-models for calculating thermal stresses	55
<i>Abashkin E.E., Zhilin S.G., Komarov O.N., Tkacheva A.V.</i> Influence of the thermal mode at joint arc and aluminothermic impact on formation of structure and properties of built-up metal	62
<i>Generalova K.N., Gluhov A.V., Volkov A.Y.</i> Kinetics of atomic ordering by L10-type in non-stoichiometric copper-gold alloy: X-Ray analysis	75
<i>Ablyaz T.R., Muratov K.R., Kochergin E.U., Shakirzanov T.V.</i> Improving the quality of the surfaces of products obtained by electrical discharge machining using electrolytic-plasma polishing technology	86
<i>Spirin V.A., Makarov V.F., Khalturin O.A.</i> Method for calculating the stress-strain state of the profiles of the globoid chord and the rotor of the positive displacement motor in the zone of their working contact	94