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THE INFLUENCE OF A MAGNETIC FIELD ON THE MAGNETIC SUSCEPTIBILITY OF THE TITANIUM ALLOY VT3-1

An increase of the magnetic susceptibility on 8% of a paramagnetic titanium alloy VT3-1 upon its multiple processing in a permanent magnetic field with induction B=[0,25÷1,0] T was found. If we make an analogy with ferromagnets, the obtained results of the dependence of the magnetic susceptibility of the titanium alloy VT3-1 on the preceding magnetic state make it possible to speak of the existence of a paramagnetic hysteresis.

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