

عنوان مقاله:

The Calculation of Theoric Strain of NiTi Alloy Transformation by Thermodynamics Equilibrium

محل انتشار:

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خلاصه مقاله:

This paper describes a method for estimation of the theoretical transformation strain by means of the Clausius-Clapeyron equation. We determined the phase transformation temperatures in a equiatomic NiTi alloy with Differential Scanning Calorimetry(DSC). The constitutive behavior of samples was investigated using tensile tests. The theoretical .axial transformation strain has been calculated applying the Calausius- Clapeyron equation

کلمات کلیدی:

Shape memory alloy; NiTi; Austenite; Martensite; Superelasticity; Transformation

لینک ثابت مقاله در پایگاه سیویلیکا:

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