

## عنوان مقاله:

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

## محل انتشار:

سومین کنفرانس بین المللی پژوهش در علوم و مهندسی (سال: 1396)

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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 Clausius-Clapeyron equation.

## کلمات کلیدی:

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

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/677463>

