

Erratum to: Modelling and simulation of cyclic thermomechanical behaviour of NiTi wires using a weak discontinuity approach

T. Bartel  · A. Menzel

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Due to an unfortunate turn of events, the following equations were published with erroneous parameters. Please find in this erratum the correct version of the equations that should be regarded as the final version by the reader:


1. Equation (65) should read

$$\begin{aligned} \partial_{\Theta} \Pi^{\text{int}} = & \mathbf{c}_M [1 + \ln(\Theta)] [X_{I_2} - X_{I_1} - L] \\ & - \left[\mathbf{c}_A [1 + \ln(\Theta)] + \frac{L}{\Theta_0} \right] [X_{I_2} - X_{I_1}] \end{aligned} \quad (1)$$

2. Equation (66) should read

$$\begin{aligned} -\Theta \overline{\partial_{\Theta} \dot{\Pi}^{\text{int}}} = & \mathbf{c}_{\text{eff}} \dot{\Theta} + \Theta A [\dot{X}_{I_2} - \dot{X}_{I_1}] \\ & \times \left[\frac{L}{\Theta_0} + \Delta \mathbf{c} [1 + \ln(\Theta)] \right] \end{aligned} \quad (2)$$

The online version of the original article can be found under doi:[10.1007/s10704-016-0156-0](https://doi.org/10.1007/s10704-016-0156-0).

T. Bartel  · A. Menzel
Department of Mechanical Engineering, Institute of
Mechanics, TU Dortmund, Leonhard-Euler-Str. 5,
44227 Dortmund, Germany
e-mail: thorsten.bartel@udo.edu

A. Menzel
Division of Solid Mechanics, Lund University, P.O. Box 118,
22100 Lund, Sweden

3. Equation (69) should read

$$\begin{aligned} \dot{\Theta} = & \frac{1}{\mathbf{c}_{\text{eff}}} \left[\mathcal{D}_{\text{mech}} + H - \partial_X Q - \Theta A [\dot{X}_{I_2} - \dot{X}_{I_1}] \right. \\ & \left. \times \left[\frac{L}{\Theta_0} + \Delta \mathbf{c} [1 + \ln(\Theta)] \right] \right]. \end{aligned} \quad (3)$$

4. Equation (70) should read

$$\begin{aligned} \dot{\Theta} = & \frac{1}{\mathbf{c}_{\text{eff}}} \left[\mathcal{D}_{\text{mech}} - \Theta A [\dot{X}_{I_2} - \dot{X}_{I_1}] \right. \\ & \left. \times \left[\frac{L}{\Theta_0} + \Delta \mathbf{c} [1 + \ln(\Theta)] \right] \right] \end{aligned} \quad (4)$$