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Corrigendum:
Thermodynamic Influences on the Propagation and the Growth of Acceleration Waves in Elastic Materials

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In the above-cited paper formula (3.31), giving the derivative of $\boldsymbol{K}$ with respect to $\boldsymbol{B}$, should be

$$\begin{aligned}\frac{\partial K^{km}}{\partial B^{ab}}=&\frac{1}{2}k_1(\delta_a^k\delta_b^m+\delta_a^m\delta_b^k)\\&+\frac{1}{2}k_2(\delta_a^k B_b^m+\delta_b^k B_a^m+\delta_a^m B_b^k+\delta_b^m B_a^k)\\&+\delta^{km}\left\{\frac{\partial k_0}{\partial \mathrm{I}}\delta_{ab}+\frac{\partial k_0}{\partial \mathrm{II}}(I\,\delta_{ab}-B_{ab})+\mathrm{III}\frac{\partial k_0}{\partial \mathrm{III}}B_{ab}^{-1}\right\}\\&+B^{km}\left\{\frac{\partial k_1}{\partial \mathrm{I}}\delta_{ab}+\frac{\partial k_1}{\partial \mathrm{II}}(I\,\delta_{ab}-B_{ab})+\mathrm{III}\frac{\partial k_1}{\partial \mathrm{III}}B_{ab}^{-1}\right\}\\&+B_p^k B^{pm}\left\{\frac{\partial k_2}{\partial \mathrm{I}}\delta_{ab}+\frac{\partial k_2}{\partial \mathrm{II}}(I\,\delta_{ab}-B_{ab})+\mathrm{III}\frac{\partial k_2}{\partial \mathrm{III}}B_{ab}^{-1}\right\}\\&+\delta^{km}\left\{\frac{\partial k_0}{\partial J_2}g_a g_b+\frac{\partial k_0}{\partial J_3}(g_a g_s B_b^s+g_b g_s B_a^s)\right\}\\&+B^{km}\left\{\frac{\partial k_1}{\partial J_2}g_a g_b+\frac{\partial k_1}{\partial J_3}(g_a g_s B_b^s+g_b g_s B_a^s)\right\}\\&+B_p^k B^{pm}\left\{\frac{\partial k_2}{\partial J_2}g_a g_b+\frac{\partial k_2}{\partial J_3}(g_a g_s B_b^s+g_b g_s B_a^s\right\}.\end{aligned}\tag{3.31'}$$

This in turn affects the result (4.15). It should be replaced by

$$\begin{aligned}&\left\{2\left(\frac{\partial K_{(1)}}{\partial J_1}g^m+\frac{\partial K_{(1)}}{\partial J_2}B^{mc}g_c+\frac{\partial K_{(1)}}{\partial J_3}B^{mc}B_c^d g_d\right)\theta_{,\beta}X_{,l}^{\beta}n_{(1)}^l+K_{(1)}n_{(1)}^m\right\}[\dot{\theta}_{,\alpha}]X_{,m}^{\alpha}\\&\quad=U\left\{\lambda_{(1)}^2\left((k_1+\lambda_{(1)}^2k_2)\delta_a^m+k_2B_a^m\right.\right.\\&\qquad+2n_{(1)}^m n_{(1)a}\left.\left(\frac{1}{2}k_1+\lambda_{(1)}^2k_2+\sum_{r=0}^{2}\lambda_{(1)}^{2r}D_{(1)}k_r\right)\right)\theta_{,\alpha}X_{,m}^{\alpha}\\&\qquad+2\lambda_{(1)}^2\left(\left(\frac{\partial k_0}{\partial J_2}g_a+\frac{\partial k_0}{\partial J_3}(\lambda_{(1)}^2g_a+g_sB_a^s)\right)\right.\end{aligned}\tag{4.15'}$$

$$+\lambda_{(1)}^2\left(\frac{\partial k_1}{\partial J_2} g_a+\frac{\partial k_1}{\partial J_3}(\lambda_{(1)}^2 g_a+g_s B_a^s)\right)$$
$$+\lambda_{(1)}^4\left(\frac{\partial k_2}{\partial J_2} g_a+\frac{\partial k_2}{\partial J_3}(\lambda_{(1)}^2 g_a+g_s B_a^s)\right)\Bigg)(g\cdot n_{(1)})^2$$
$$-(K_{J_{(1)}}(g\cdot n_{(1)})^2+K_{(1)})\,\theta_{,\alpha} X^\alpha_{,a}-U\,\theta\,\Sigma_{(1)}\,n_{(1)a}\Bigg\}\,a^a.$$

Thus, (4.19) is replaced by

$$b_L=\left\{\left(1-\frac{L_{11}(g\cdot n_{(1)})^2+K_{11}}{K_{J_{(1)}}(g\cdot n_{(1)})^2+K_{(1)}}\right) g\cdot n_{(1)}+\frac{U_{11}\,\theta\,\Sigma_{(1)}}{K_{J_{(1)}}(g\cdot n_{(1)})^2+K_{(1)}}\right\} a, \quad (4.19')$$

with

$$L_{11}\equiv 2\lambda_{(1)}^2\left\{\left(\frac{\partial k_0}{\partial J_2}+2\lambda_{(1)}^2\frac{\partial k_0}{\partial J_3}\right)+\lambda_{(1)}^2\left(\frac{\partial k_1}{\partial J_2}+2\lambda_{(1)}^2\frac{\partial k_1}{\partial J_3}\right)\right.$$
$$\left.+\lambda_{(1)}^4\left(\frac{\partial k_2}{\partial J_2}+2\lambda_{(1)}^2\frac{\partial k_2}{\partial J_3}\right)\right\};$$

and (4.24) is replaced by

$$b_L=\left\{\left(1-\frac{L(\lambda)(g\cdot n)^2+K_L}{K_{J(\lambda)}(g\cdot n)^2+K(\lambda)}\right) g\cdot n+\frac{U_L\,\theta\,\Sigma(\lambda)}{K_{J(\lambda)}(g\cdot n)^2+K(\lambda)}\right\} a, \quad (4.24')$$

with

$$L(\lambda)=2\lambda^2\left\{\left(\frac{\partial k_0}{\partial J_2}+2\lambda^2\frac{\partial k_0}{\partial J_3}\right)+\lambda^2\left(\frac{\partial k_1}{\partial J_2}+2\lambda^2\frac{\partial k_1}{\partial J_3}\right)+\lambda^4\left(\frac{\partial k_2}{\partial J_2}+2\lambda^2\frac{\partial k_2}{\partial J_3}\right)\right\}.$$

Finally, (4.27) should be

$$b_T=\left(1-\frac{L_{12}(g\cdot n_{(1)})^2+K_{12}}{K_{J_{(1)}}(g\cdot n_{(1)})^2+K_{(1)}}\right) g\cdot n_{(2)}\,\hat{a} \quad (4.27')$$

with

$$L_{12}\equiv 2\lambda_{(1)}^2\left\{\left(\frac{\partial k_0}{\partial J_2}+(\lambda_{(1)}^2+\lambda_{(2)}^2)\frac{\partial k_0}{\partial J_3}\right)+\lambda_{(1)}^2\left(\frac{\partial k_1}{\partial J_2}+(\lambda_{(1)}^2+\lambda_{(2)}^2)\frac{\partial k_1}{\partial J_3}\right)\right.$$
$$\left.+\lambda_{(1)}^4\left(\frac{\partial k_2}{\partial J_2}+(\lambda_{(1)}^2+\lambda_{(2)}^2)\frac{\partial k_2}{\partial J_3}\right)\right\};$$

and (4.31) should be

$$b_T=\left(1-\frac{L(\lambda)(g\cdot n)^2+K_T}{K_{J(\lambda)}(g\cdot n)^2+K(\lambda)}\right) g\cdot a. \quad (4.31')$$

The rest of the results presented in the paper remain valid.

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