WALTER NOLL

Errata in the paper

“Materially Uniform Simple Bodies with Inhomogeneities”

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and also as reprinted in

*Continuum Theory of Inhomogeneities in Simple Bodies,
a reprint of six memoirs by*

W. NOLL, R. A. TOUPIN, & C.-C. WANG

New York: Springer 1968

- p. 4: In the first line of (C 2), replace $\lambda = \lambda \circ \kappa^{-1}$ by $\lambda = \gamma \circ \kappa^{-1}$.
- p. 5: Two lines above (4.2), replace $\mathcal{C}$ by $\mathcal{C}_X$.
- p. 6: In (4.5), replace K_X^{-1} and K_Y^{-1} by K_X and K_Y .
- p. 7: 1) Formula (5.2) should read: $\mathfrak{G}_X(G_X) = \mathfrak{G}_Y(G_X \Phi_{XY})$.
2) In the line above (5.3), replace g_{XY} by g_{YX} .
3) Formula (5.3) should read: $g_{ZY} g_{YX} = g_{ZX}$.
4) In the last line replace $\mathcal{T}_X$ by $\mathcal{T}_Y$ and $\mathcal{T}_Y$ by $\mathcal{T}_X$.
5) After (5.3), add: valid if these sets are not empty.
- p. 9: 1) In the fifth line from the bottom, in the second equation replace $K(Y)$ by $\hat{K}(Y)$.
2) In Formula (6.15), replace $\mathfrak{P}(X)$ by $\mathfrak{P}(X)^{-1}$.
- p. 11: 1) In the first line of Proposition 1, read: there exists.
2) In the second line of Proposition 1, replace $\mathcal{S}$ by $\mathcal{L}$ and $\mathcal{T}$ by $\mathcal{V}$.
- p. 12: In the last line of Proposition 2, replace $\mathfrak{S}$ by $\mathfrak{S}$.
- p. 14: In the first line of Proposition 4, replace $\mathcal{F}$ by $\mathcal{T}$.
- p. 15: Formula (8.19) should read: $[\mathfrak{h}, \mathfrak{f}] = -[\mathfrak{f}, \mathfrak{h}]$.
- p. 16: In the third line from the bottom, replace $\mathcal{F}$ by $\mathcal{T}$ four times.

- p. 19: In the second line of Theorem 3, read: materially constant.
- p. 21: In the ninth line, the first γ should be boldface.
- p. 22: 1) In the second line, replace $\mathcal{B}$ by X .
 2) In the third line, read: $F^{-1} = (\nabla \lambda) \circ \gamma$.
 3) In the fourth line, read: $\nabla \lambda = F^{-1} \circ \gamma^{-1}$.
- p. 23: 1) Formula (12.7) should read: $\mathfrak{h}(\mathbf{v} \cdot \mathbf{w}) = -\mathbf{v} \cdot (\mathbf{D}\mathbf{u})\mathbf{w} - \mathbf{w} \cdot (\mathbf{D}\mathbf{u})\mathbf{v}$.
 2) In Formula (12.10), replace $\mathbf{w}$ by $\mathbf{u}$.
- p. 25: 1) Formula (13.8) should read:

$$((\nabla_{\gamma}^{(2)} \mathbf{Q}) \mathbf{k}) \mathbf{h} - ((\nabla_{\gamma}^{(2)} \mathbf{Q}) \mathbf{h}) \mathbf{k} = -\mathbf{Q} \mathbf{R}^*(\mathbf{u}, \mathbf{v}).$$

 2) In the second line from the bottom, replace (13.5) by (13.6).
- p. 26: In the last line before Sect. 4, change $\mathbf{Q}(X)$ to $\mathbf{Q}(X)^T$.
- p. 31: Formula (15.35) should read: $-(\mathbf{A} - \mathbf{A}^T) \mathbf{u} = \mathbf{s} \times \mathbf{u}$.

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Corrigenda:

Universal Deformations in Isotropic Incompressible Hyperelastic Materials when the Deformation Tensor has Equal Proper Values

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The center entry in the matrix of equation (3.13) should read $\tau_s \operatorname{div} \mathbf{b} - \theta_{ns} \kappa_s$, rather than $-\theta_{ns} \kappa_s$. This is a typographical omission which is not carried through.

The bottom right entry in the matrix of equation (3.16) is $((\Omega_s - \tau_s)^2 + (\operatorname{div} \mathbf{b})^2)$.

The first line of the top center entry in the matrix of equation (4.20) should read

$$\left[\kappa_s^2 + \tau_s^2 + \frac{\delta \theta_{ns}}{\delta s} - (\Omega_s - \tau_s) \tau_s \right].$$

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