Erratum: The Physical Structure of General Relativity

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On p. 465: the first equation should read $\neq 0$; in the third line of text in column 2, x^i should be X^i, and in the second equation in column 2, should appear $\partial g_{ij}/\partial x^k$.

On p. 467, in line 11 of column 2, read F_{ij} in place of $F^i{}_{ij}$.

On p. 468, in the first and second equations: v should be V, s should be S, and ν should be r, and also in line 4 after the first equation, ν should be r.

Throughout Sec. 3, γ should be r.

Erratum: Foundations of Linear Viscoelasticity

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Page 239. In the second line of the second paragraph, in place of "viscosity" read "viscoelasticity."

Page 239. Reference 1 should read:

[1] L. Boltzmann, Sitzber. Kaiserlich, Akad. Wiss. (Wien), Math.-Naturwiss. Kl. **70**, Sect. II, 275–306 (1874).

Page 243. Equation (3.9) should read:

$$\overset{\infty}{\underset{s=0}{\mathfrak{F}}}(G(s))=\delta\overset{\infty}{\underset{s=0}{\mathfrak{F}}}(G(s))+\overset{\infty}{\underset{s=0}{\mathfrak{R}}}(G(s)).$$

Page 244. Equation (4.5) should read:

$$\overset{\infty}{\underset{s=0}{\mathfrak{F}}}(G(s);C)=2\delta\overset{\infty}{\underset{s=0}{\mathfrak{F}}}(E(t-s)-E(t);C)+o(\epsilon).$$

Page 244. Equation (4.7) should read:

$$\overset{\infty}{\underset{s=0}{\mathfrak{F}}}(G(s);C)=2\delta\overset{\infty}{\underset{s=0}{\mathfrak{F}}}(E(t-s)-E(t);I)+o(\epsilon).$$

Page 246. Equation (5.11) should read:

$$\Gamma(s;B)\{J(s)\}=\mathfrak{k}_1(s;B)J(s)+J(s)\mathfrak{k}_1(s;B)+\mathrm{Tr}[J(s)\mathfrak{k}_2(s;B)]I+\mathrm{Tr}[J(s)\mathfrak{k}_3(s;B)]B+\mathrm{Tr}[J(s)\mathfrak{k}_4(s;B)]B^2.$$

Page 246. The sentence starting seven lines below Eq. (5.11) and reading "The resulting formula shows that . . ." should be deleted and replaced by:

The resulting formula shows that in finite linear viscoelasticity the behavior of an isotropic material is determined by 15 independent scalar-valued material functions.

Page 246. Equation (5.16) should read:

$$Q[\Gamma(s;\rho)\{J\}]Q^T=\Gamma(s;\rho)\{QJQ^T\}.$$

Page 247. Equation (6.2) should read:

$$\lim_{\|G\ s)\|\to 0}\|G(s)\|^{-2}\mathfrak{R}'(G(s);C)=0.$$

Page 247. Equation (6.4) should read:

$$T+pI=\int_0^\infty\mu(s)J(s)\,ds+\int_0^\infty\int_0^\infty[\alpha(s_1,s_2)J(s_1)J(s_2)+\beta(s_1,s_2)\{\mathrm{Tr}\,J(s_1)\}J(s_2)]\,ds_1\,ds_2.$$

Pages 247 and 248. The sentence containing Eq. (6.5) should be replaced by:

The function α is uniquely determined if and only if it is chosen to be symmetric, i.e.,

$$\alpha(s_1,s_2)=\alpha(s_2,s_1);\qquad(6.5)$$

the function β need not be symmetric.