Erratum: The Physical Structure of General Relativity

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[Rev. Mod. Phys. **36**, 463 (1964)]

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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[Rev. Mod. Phys. **33**, 439 (1961)]

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:

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

Page 244. Equation (4.5) should read:

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

Page 244. Equation (4.7) should read:

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

Page 246. Equation (5.11) should read:

$$\begin{aligned} \Gamma(s; B) \{J(s)\} &= \mathfrak{f}_1(s; B) J(s) + J(s) \mathfrak{f}_1(s; B) \\ &+ \text{Tr}[J(s) \mathfrak{f}_2(s; B)] I + \text{Tr}[J(s) \mathfrak{f}_3(s; B)] B \\ &+ \text{Tr}[J(s) \mathfrak{f}_4(s; B)] B^2. \end{aligned}$$

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:

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

Page 247. Equation (6.2) should read:

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

Page 247. Equation (6.4) should read:

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

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.,

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

Page 246. The sentence starting seven lines below the function β need not be symmetric.