

Errata for Second Printing of
“Random Heterogeneous Materials: Microstructure and Macroscopic Properties”
by S. Torquato (Springer-Verlag, New York, 2002)

Updated on June 11, 2007

- Page 33: two lines above Eq. (2.19): “... for all i and j are statistically independent ...” should be replaced by “... for all j and k are statistically independent ...”
- Page 47: ℓ_C in Eq. (2.71) and Eq. (2.73) should be $\ell_C^{(i)}$.
- Page 82: The entire expression within the brackets of Eq. (3.61) should be multiplied by D^3 .
- Page 124: The plus signs in the third, fourth and fifth terms of Eq. (5.12) should all be minus signs.
- Page 371: in the first line of (14.79), the last term $\langle \mathbf{u}(\nabla \cdot \boldsymbol{\tau}) \rangle$ should be $\langle \mathbf{u} \cdot (\nabla \cdot \boldsymbol{\tau}) \rangle$.
- Page 395: in Eq. (15.25), $\sigma_0 = \lim_{\lambda \rightarrow \infty} \hat{\sigma}_\lambda$ should be $\sigma_0 = \lim_{\lambda \rightarrow \infty} \frac{\hat{\sigma}_\lambda}{\lambda}$.
- Page 416: in Eq. (16.31), the multiplicative factor ϕ_i should be removed and replaced with unity.
- Page 421: in Eq. (16.54), $\varepsilon_{12}(x_{12})$ should be $\varepsilon_{12}(x_1)$.
- Page 423: the second equation should read $(E_e)_{22} = (E_e)_{33} = (C_e)_{22} + \dots$. The plus sign was incorrectly indicated as a minus sign.
- Page 430: in Eqs. (16.74) and (16.75), each multiplicative factor ϕ_i should be removed and replaced with unity.
- Page 430: two lines below Eq. (16.75), replace (14.82) with (14.86).
- Page 498: the second term on the right-hand side of Eq. (19.67) should be multiplied by K_1 .
- Page 498: the second term on the right-hand side of Eq. (19.68) should be multiplied by G_1 .
- Page 531: in Eq. (20.90), $\mathbf{C}_q \boldsymbol{\varepsilon}(\mathbf{x})$ should be $\mathbf{C}_q : \boldsymbol{\varepsilon}(\mathbf{x})$.
- Page 543: directly below Eq. (20.158), ζ_2 should be ζ_p .
- Page 546: in Eq. (20.177), $(K_p - K_q)^2$ and $(G_p - G_q)^2$ should be $(K_p - K_q)^3$ and $(G_p - G_q)^3$, respectively.
- Page 574: line 4: the reference to Eq. (21.61) should be to the equation immediately before (21.61) on page 567, which has no number.