



ERRATUM

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Erratum

Breakdown of the Sonine expansion for the velocity distribution of granular gases

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After publication we became aware about mistakes in eq. (15). The final results, eq. (16) and following, are not affected. Three of the expressions in eq. (15) should read as

$$T_3 = -\frac{(1-\varepsilon^2)}{128} (10\varepsilon^2 + 97) - \frac{(1+\varepsilon)(d-1)}{64} (21 - 5\varepsilon),$$

$$D_2 = \frac{3}{256} (1-\varepsilon^2) [1289 + 4(d+\varepsilon^2)(311 + 70\varepsilon^2) + 172d^2] + \frac{3}{4}B(\varepsilon),$$

$$B = (1+\varepsilon) [(d-\varepsilon)(3+4\varepsilon^2) + 2(d^2-\varepsilon)].$$

We thank ANDRÉS SANTOS for drawing our attention to these inconsistencies.