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Errata: Statistical Mechanics of Transport Processes II. Transport in Gases

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THE first line of Eq. (4) should read

$$\frac{\partial f_i^{(1)}}{\partial t} + \frac{\mathbf{p}_i}{m_i} \cdot \nabla_{\mathbf{R}_i} f_i^{(1)} + \mathbf{X}_i \cdot \nabla_{\mathbf{p}_i} f_i^{(1)} = \sum_{l=1}^N N_l \nabla_{\mathbf{p}_i} \cdot \Omega_{li}^{(1)}$$

with the time-averaged distribution function $\bar{f}_i^{(1)}$ ap-

pearing instead of the unaveraged distribution function $f_i^{(1)}$.

The second line of Eq. (8) should read,

$$\mathbf{p}_i' = \mathbf{p}_{i0} + \Delta \mathbf{p}_i(\tau).$$

The last sentence of page 74 should read: "By conservation of total linear momentum \mathbf{p}_{i0} and \mathbf{p}_{l0} experience increments $-\Delta \mathbf{p}^*$ and $\Delta \mathbf{p}^*$, respectively."

The last term in the brackets of the integrand on the right-hand side of Eq. (18) should be $\overline{f_i^{(1)} f_l^{(1)}}$ instead of $\overline{f_i^{(1)} f_l^{(1)}}$.