

# *Computer Simulation of Liquids*

## Michael P. Allen and Dominic J. Tildesley

Second edition, Oxford University Press, 2017  
List of errata up to April 13, 2018

Line numbers below do not include section headings, equations, figures etc. Negative line numbers are counted up from the bottom of the page.

### Chapter 1

**p11**  $\ell - 16$  ‘It quite possible’  $\rightarrow$  ‘It is quite possible’.

F Perez  
2017-10-07  
MPA  
2017-04-04

**p14** In eqn (1.15) the signs of the odd-order terms are wrong:

$$+T_\alpha \rightarrow -T_\alpha \quad \text{and} \quad +\frac{1}{3}T_{\alpha\beta\gamma} \rightarrow -\frac{1}{3}T_{\alpha\beta\gamma}.$$

### Chapter 3

**p141** In the equation at the top of the page the sign of  $\mathbf{r} \cdot \mathbf{f}$  is wrong:

MPA  
2017-04-30

$$\mathcal{P}' = \mathcal{P} + (d/g)\mathbf{p} \cdot \mathbf{p}/m = \frac{1}{dV}(\alpha\mathbf{p} \cdot \mathbf{p}/m + \mathbf{r} \cdot \mathbf{f}) - \frac{\partial \mathcal{V}}{\partial V}.$$

**p142** The expression for  $iL'_2$  should have a factor of  $d$ :

MPA  
2017-04-30

$$iL'_2 = d(\mathcal{P}' - P)V \frac{\partial}{\partial p_\epsilon}.$$

### Chapter 6

**p229**  $\ell 8$  ‘charges densities’  $\rightarrow$  ‘charge densities’.

MPA  
2017-04-19  
J Dürholt  
2018-04-13

**p251** In eqn (6.106) the factor  $V$  should be  $1/V$ :

$$\mathcal{V}_{\text{correction}}^{qq} = \frac{2\pi}{V} \left( \sum_i q_i z_i \right)^2$$

### Chapter 10

**p344** In eqn (10.2b)  $\int_{\mathbf{r} \in A} \rightarrow \int_{\mathbf{r} \in B}$ .

MPA  
2017-03-07