

Known misprints in *Advanced Condensed Matter Physics* by L. M. Sander

Many thanks to my students and others who have found these. If you find more, please send an email to lsander **at** umich.edu.

p 3. Before Eq. 1.9:

mass is is -> mass is

p 4 After Eq. 1.13 the Coulomb interaction :

$$V(r) = Zq_1q_2/r \rightarrow V(r) = Z_1Z_2 q_1q_2/r$$

p 14 Eq. 2.14, the denominator should be

$$4k_B(T-T_c)$$

p 17 Figure caption

$$V_{\min} = \varepsilon \rightarrow V_{\min} = -\varepsilon$$

p 35 Last full line of text:

sum in Eq. (3.19) -> sum in Eq. (3.18)

p. 38 Huyghens should be Huygens

p. 39 Thompson should be Thomson

p. 56 Before Eq. (4.4) should be

[010] surface

p. 62 Second line should be inverted, i.e.

$$k_B T_R \sim \beta_0 a / \log(z-1)$$

p. 63 After Eq. (4.19) the derivative should be partial,

$$\partial r / \partial \theta$$

p. 77 Eq. (5.14) last term should contain

$$(R_s - R_{s'})$$

last subscript is s' not s"

p. 78 After Eq. 5.21

For example, if B = 2..

not b

p. 79 Eq. 5.24 should read

$$(\alpha/2)[u_s - u_{s+1}]^2$$

the bracket is squared

p. 79 Eq. 5.31, left-hand side should be
 ω^2/α

i.e, no 2 on LHS

p. 81 Equations 5.32, 5.33 the summation variables should be s'l'.

p. 82 Eq. 5.35, the second term should be $-\mathbf{k}\cdot\mathbf{R}$.

p. 88 Second line should be α_i

p. 92 First line of Eq. 5.67 missing right parenthesis.

p. 100 First line of Eq. (5.104) should have $(2\pi)^3$ in denominator

p. 113 Problem 6 b) should read

for $T \gg \Theta_D$...

p. 119 Eq. 6.27 the denominator should be

$$\pi^2 \hbar^3$$

last power is 3

p. 135 Problem 2, last line should contain

$$\sin(k_F R) - k_F R$$

not lower case r.

p. 137 Problem 7 the integral is equal to $\pi^2/6$.

p. 147 Eq. 7.22, first line

p should be **k**