

Corrections to Entropy Demystified

Chapter 1

Page 11, 8th line from the top: It should be "...of the molecular motion...", i.e., delete "collisions".

Page 17, 10th line from the top: It should be "...of entropy is intuitively clear in many examples, it is not always valid".

Chapter 2

Page 67, 8th line below Fig. (2.13): It should be "moment" rather than "movement", i.e., "...dipole moment".

Page 68, Questions 2 and 3:

Revise question # 2 to: "I tell you that I won a one-dollar equivalent in Indian currency as I predicted the day before, would you believe it"?

Revise question # 3 to: I tell you that I won a ten-dollar equivalent in Chinese currency as I predicted the day before, would you believe it?

Page 69, 12 lines above the footnote: It should be "... but only the upper face..."

Chapter 4

Page 95, 8th line from the bottom: It should be "...winning on the first step is zero", i.e., full stop after the word "zero". Delete "too".

Page 96, 2nd line from the footnote: It should be "...clear that after many steps...", i.e., delete "games".

Page 99, Sum = 2 (line 3) of the Dim event and Specific events segment: The correct line should be:

1,1,0,0 1,0,1,0 1,0,0,1 0,1,1,0 0,1,0,1 0,0,1,1

Page 109, 8th line from the bottom: Delete "nearly". It should be (probability $\frac{1}{2}$).

Page 109, 14th line from the top, number 3 should be: "upwards" instead of "downwards", i.e., "...and go upwards with probability $\frac{1}{2}$ ".

Chapter 6

Page 139, 1st line: It should be "...MI increases with n for a fixed N".

Chapter 8

Page 201, line before the quotation: Delete the hyphen between "Murray" and "Gell". Should be Murray Gell-Mann.

Page 205, 11th line from the top: It should be " $S = \ln W$ ", i.e., "I" and not "T".

Page 220, under references: Add after the reference “Lebowitz” the following:

Leff, H.S. and Rex, A.F. (eds) 1990, *Maxwell's Demon: Entropy, Information, Computing*, Adam Hilger, Bristol

Page after the dedication page: The word “ordered” should be raised a little towards the upper figure.