

Errata

To make no mistakes is not in the power of man; but from their errors and mistakes the wise and good learn wisdom for the future – Plutarch

Substantive errors are listed here:

Page 120: "Starlight 0.7×10^{-12} erg cm^{-2} " should read "Starlight 0.7×10^{-12} erg cm^{-3} ".
Page 325: " $B = (M/r^3)[3\cos\theta + 1]^{1/2}$ " should read " $B = (M/r^3)[3\cos^2\theta + 1]^{1/2}$ ".
Page 341: lower-right figure, upper label, "DENSITY (kg^{-3})" should read "DENSITY (kg m^{-3})".
Page 514, last line: the numerator of the fraction should read $(A_{\text{eff}}\Delta E t)^{1/2} F$.
Page 662, 14th line down: " 7π " should read " 4π ".
Page 711: 8th column " $32\ 107$ " should read " 32×10^7 "; " $26\ 107$ " should read " 26×10^7 ".

Typographical and spelling errors are listed here:

Foreword: 2nd para., "radioactivity" should read "radiation".
Page 16: bottom of page, "<http://pdg.lbl.gov/2002/astorpp.pdf>" should read "<http://pdg.lbl.gov/>".
Page 27: table heading, "short list" should read "very short list".
Page 77: bottom of page, "*The 150 Stars in the Hipparcos Catalogue with Highest Apparent Magnitude*," should read "See the Hipparcos and Tycho Catalogues."
Page 82: bottom of page, "*The 150 Stars in the Hipparcos Catalogue with Highest Apparent Magnitude*," <http://astro.estec.esa.nl/Hipparcos/table365-new.html> should read "See the Hipparcos and Tycho Catalogues."
Page 85: bottom of page, "*The 150 Stars in the Hipparcos Catalogue Closest to the Sun*," <http://astro.estec.esa.nl/Hipparcos/table361.html> should read "See the Hipparcos and Tycho Catalogues."
Page 86: bottom of page, "*The 150 Stars in the Hipparcos Catalogue with Largest Proper Motion*," <http://astro.estec.esa.nl/Hipparcos/table362.html> should read "See the Hipparcos and Tycho Catalogues."
Page 91: bottom of page, "<http://relativity.livingreviews.org/Articles/Volume4/2001-4will/2002>" should read "<http://relativity.livingreviews.org/Articles/author.html>".
Page 152: "Ussoeld" should read "Unsoeld".
Page 205: "(From Evans & Hagfors)" should read "(From Evans, J.V. and Hagfors, T., *Radar Astronomy*, New York, McGraw Hill, 1968)".
Page 209: "(From Thorsett, S.E.)" should read "(Figure courtesy of D. Chakrabarty, MIT)".
Page 209: "Loves, F.J. et al., 1979, Ap, J. (Suppl.), 41, 451." should read "*Recommended Rest Frequencies for Observed Interstellar Molecular Transitions*, Lovas, F.J., et al., Ap. J. Suppl., 41, 451, 1979".
Page 237: "ApJS, 102" should read "Ap. J. Suppl., 102".
Page 268: 6th column in table, add "2-10 keV".
Page 269: " L_x " should read " L_x ".
Page 287: "ApJS" should read "Ap. J. Suppl."
Page 313: "(..... in Physics Today, October 1974.)" should read "(..... in Physics Today, October 1974, with permission)".
Page 314: "(..... in Physics Today, October 1974.)" should read "(..... in Physics Today, October 1974, with permission)".
Page 315, "(From Physics Today, January 1998.)" should read "(From Physics Today, January 1998, with permission)".

Page 330: "(From Lean, J., Annual Reviews, Inc.)" should read "(From Lean, J., Annual Reviews, Inc., with permission)".

Page 357: "Carroll, S.M., Astron. Astrophys., 1992." should read "Carroll, S.M., Astron. Astrophys., vol. 30, 1992".

Page 419: "(From Feldman, L.C. Inc., 1986.)" should read "(From Feldman, L.C. Inc., 1986, with permission.)".

Page 466: "Calculated spectral reflectivity ..." should read "Calculated reflectivity...".

Page 495: "(1 atmos.; 760 Torr)" should read "(1 atmos.: 760 Torr)".

Page 505: In the table heading, "Thomsom" should read "Thomson" and "Lorel" should read "Loral".

Page 532: "*Matter and Methods at Low* 1996." should read "*Matter and Methods at Low* 1996."

Page 532: "*Measurement and detection of Radiation*".....)" should read "*Measurement and Detection of Radiation*".....)"

Page 532: "Scientific Foundations of Vacuum Techniques, Dushnivi, S.," should be "*Scientific Foundations of Vacuum Techniques*, Dushman, S.,"

Page 532: "*Techniques for Nuclear antiparticle Physics Experiments*," "*Techniques for Nuclear and Particle Physics Experiments*,"

Page 532: "*Vacuum Technology and Space Simulation*, NASA SP- 1 05, ..." should read "*Vacuum Technology and Space Simulation*, NASA SP-105, ..."

Page 532: "*X-ray Interactions* Guilikson" should read "*X-ray Interactions* Gullikson"

Page 649: "**mkdir**" should read "**mkdir** *directoryname*"

Page 649: "**rmdir**" should read "**rmdir** *directoryname*"

Page 656: 2nd table, "set C is contained with set E as a subclass" should read "set C is contained within set E as a subclass".

Page 683, "The Friedmann-Lamaitre....." should read "The Friedmann-Lemaitre.....".

Page 683: "Freeman" should read "Freedman"; all superscripts in "Description" column should be removed.

Page 685: "Freeman" in two instances should read "Freedman".

Page 714: "**List of ground-based- and" should read "*List of ground-based and".

Page 741: 1st para., "**_secsh**" should read "**secsh**".

Page 744: 1st para., "**rsh**" should read "**rsh**".

Page 745: 6th para., "**On-The-Go-Supplement**" should read "On-The-Go-Supplement".

Page 756, "Cosmology, 450-465" should read "Cosmology, 350-366".

Page 762, "... standard system, 139" should read "... standard system, 139, 224".