

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 $0.7 \times 10^{-12} \text{ erg cm}^{-2}$ " should read "Starlight $0.7 \times 10^{-12} \text{ erg cm}^{-3}$ ".
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 m^{-3})" should read "DENSITY (kg m^{-3})"; last tick on right should read 10^0 .
Page 514, last line: the numerator of the fraction should read $A_{\text{eff}}\Delta E F t^{1/2}$.
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/Volume4/2001-4willl/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".