

Space Mission Analysis and Design, 3rd Edition, 4th Printing
Errata as of December 19, 2008

The following errata are provided to keep this volume as useful as possible. We would appreciate any other corrections or suggestions being reported to:

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PAGE	REPORTED ERRATA
Inside Front Cover	1 st Table, 3 rd row, 3 rd column: Permittivity of vacuum value should read $1/\mu_0 c^2 = 8.854\ 187\ 817 \times 10^{-12}$
101	Table 5-2, 7 th row, 3 rd column: Arc tan $[\hat{\mathbf{C}} \cdot (\hat{\mathbf{A}} \cdot \hat{\mathbf{B}})] \dots$ should read Arc tan $[\hat{\mathbf{C}} \cdot (\hat{\mathbf{A}} \times \hat{\mathbf{B}})] \dots$
122	Eq. (5-54), left-hand side: “tan ω_{inc} ” should read “tan w_{inc} ”.
122	Eq. (5-55), left-hand side: “tan ω_{inc} ” should read “tan w_{inc} ”. Same revision should be made in text reference in preceding paragraph.
140	1 st paragraph, v should equal “1.5708” not “1.57198”
264	Last line, Paragraph above figure: “Table 9-8” should read “Table 9-9”
289	Table 9-15, Step 6, Rows 2 and 3, “FireSat column: “Fig. 9-25B” should read “Fig. 9-22”
290	Table 9-15, Step 7, Row 1, “FireSat” column: “ N_e ” should read “ N_e ”
296	Fig. 9-26, wavelength axes unit: “(mm)” should read “(μm)”
361	4 th paragraph, 8 th line: cross reference should read Sec. 11.1.4 not Sec. 11.5
385	Table 11-19, “Bandwidth” row: “Eq. (13.24)” should read “Eq. (13.26)”
405	Table 11-29, 3 rd row, “Complex” column: “13,000–1,500” should read : “13,000–15,000”
412	Table 11-34, 4 th row, “Reference” column: “Table 11-35” should read “Table 11-36”
427	Last paragraph, Last line: “Table 11-40” should read “Table 11-42”
428-458	“Thermal” section rewritten. The revised section is contained in the pages following the errata listing.
480	Eq. (11-52): “ E_t ” should read “ E_t ”
488	Paragraph above Eq. (11-63), 3 rd line: “ F_{ix} ” should be “ F_{iu} ”
489	Eq. (11-67): “ E_t ” should read “ E_t ”
514-518	Reference section updated due to “Thermal” section rewrite. The revised reference pages follow the errata listing.
544	3 lines above Fig. 13-4: “. . . $2^2 + 2^1 + 0^0 + 0.5 = 6.5 \text{ V} \dots$ ” should read “. . . $1 \cdot 2^2 + 1 \cdot 2^1 + 0 \cdot 0^0 + 0.5 = 6.5 \text{ V}$ ”
567	Table 13-13 has been revised. See corrected page appears following the errata listing.
New Sec. D.2	Sec. D.2, “Thermal Geometry” added to the Appendices. Added section follows the errata listing.