# SPACECRAFT ATTITUDE DETERMINATION AND CONTROL

## TECHNICAL ERRATA

This errata includes only technical corrections. Grammatical and typographical corrections where the meaning remains clear have not been included. I would appreciate any errors, either technical or typographical, being brought to my attention at the following address:

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or by phone at 213-535-1186.  Thank you.

*James R. Wertz, editor*

| Page | Location | Correction |
|---|---|---|
| 68 | Eq. (3-42) | $\alpha_s - \Omega$ should be $-\alpha_s + \Omega$ |
| | | $\frac{360}{365.24} \Delta D - \Omega$ should be $-\frac{360}{365.24} \Delta D + \Omega$ |
| 69 | Eq. (3-43d) | 2.0674 should be 2.06474 |
| 76 | Eq. (3-59) | $I = \ldots$ should be $I_0 - I = \ldots$ |
| 76 | Eq. (3-60) | $I = \ldots$ should be $I_0 - I = \ldots$ |
| 84 | | Photo reversed (effects discussion in text) |
| 141 | line 18 | Julian Date 2,415,010 should be Julian Date 2,415,020 |
| 245 | Eq. (7-46b) | Equation number should be (7-74b) |
| 245 | line 16 | $\ldots \delta$ and $\nu \ldots$ should be $\ldots \delta$ and $\eta \ldots$ |
| 245 | line 28 | Eq. (7-22) should be Eq. (7-72) |
| 288 | | Photo reversed (effects discussion in text) |
| 416 | Eq. (12-17b) | $\ldots 2gg^T - G$ should be $\ldots 2gg^T - 2G$ |
| 417 | line 32 | $x', y', z'$ should be $\hat{x}', \hat{y}', \hat{z}'$ |

| Page | Location | Correction |
|------|----------|------------|
| 457 | line 17 | $\hat{E} =$ should be $\hat{E}_0 =$ |
| 457 | line 20 | add equation number (13-49) |
| 572 | Eq. (17-47) | $[\hat{S} - 2(\cos\theta\hat{N}) - \cos\theta\hat{S}]$ should be $[-2(\cos^2\theta\hat{N})]$ |
| 572 | Eq. (17-48) | $-\frac{2}{3}\cos\theta\hat{S}$ should be $-\frac{2}{3}\cos\theta\hat{N}$ |
| 646 | Eq. (19-41) | Both boldface L's should be non-boldface |
| 653 | Fig. 19-7 | In the caption, $\beta_i = 40^0$ should be $\beta_i = 50^0$ |
| 746 | line 26 | $B = \begin{bmatrix} 5 & 6 \\ 6 & 8 \end{bmatrix}$ should be $B = \begin{bmatrix} 5 & 6 \\ 7 & 8 \end{bmatrix}$ |
| 790 | 4th entry | GEOS-1 should be GOES-1 |
| 846 | line 23 | Month-<br>   Analytic ephemeris... |

should be

Month-
   Types of      52
   --Numerical values for   822
Moon-
   Analytic ephemeris...