Technical Note

Errata: Efficient Algorithms for Spin-Axis Attitude Estimation

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The article in question was published in *The Journal of the Astronautical Sciences*, Vol. 31, No. 2, April–June 1983, pp. 237–249. It contains three errata on page 248.

Erratum No. 1: In equation (A-2) $\sin \rho$ should be $\sin \gamma$.

Erratum No. 2: In equation (A-3) $\cos^2 \rho$ should be $\cos^2 \gamma$.

Erratum No. 3: In the second line below equation (A-3) “the Sun-Earth angle, γ ” should be “the Sun-Earth angle, ψ .”

The corrected block of text reads:

“Equation (A-1) may be solved to give

$$\cos \eta = A^{-1}[\cos \rho \cos \gamma \pm \sin \gamma \cos(\Omega/2) (A - \cos^2 \rho)^{1/2}] \quad (\text{A-2})$$

where

$$A = \cos^2 \gamma + \sin^2 \gamma \cos^2(\Omega/2) \quad (\text{A-3})$$

The sign ambiguity can be eliminated if another measurement is present, say that of the Sun angle, β and the Sun-Earth dihedral angle, ψ . Let ξ be the arc length from the Sun direction to the mid-scan point”

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