

References

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³ Farquhar, R. W., "Station-keeping in the Vicinity of Col-linear Libration Points with an Application to a Lunar Communications Problem," *Space Flight Mechanics*, Science and Technology Series, American Astronautical Society, New York, 1967, Vol. 11, pp. 519-535.

⁴ Porter, J. D., "Final Report for Lunar Libration Point Flight Dynamics Study," NASA GSFC Contract NAS-5-11551, April 1969, General Electric Co., Philadelphia, Pa.

Reply by Author to R. W. Farquhar

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FARQUHAR's comment on the fuel consumption estimates deserves a reply. In his Comment, Eq. (5) properly states the geometrical effects which define A_z ; let the value thus computed be denoted A_z' . Equation (7),

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which is due to the present author, defines a value which is denoted A_z^h . Then,

$$A_z'/A_z^h = 1 + \frac{1}{2}(\sin \psi_0/k)^2 + 0(1/k^4)$$

Thus, A_z^h may be regarded as a lower bound, which is approximated for moderate values of k . Indeed, $k = 3.0$ gives $(A_z'/A_z^h) = 1.03$ for $\Delta t = 93$ days. Nevertheless, A_z' should indeed be used, and I thank Dr. Farquhar for his comment.

Errata: "Effects of Products of Inertia on Re-Entry Vehicle Roll Behavior"

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IN the above paper, 1) Eq. (6) should read

$$\dot{p} = (1/I_x)\{M_x + (1/I)[J_{xy}(M_y - I_x p r) + J_{xz}(M_z + I_x p q)]\}$$

2) in the section labeled "Conclusion," 2d should read "are zero at zero roll rate"; and 3) in the nomenclature, the fifth symbol defined should be C_{m_q} not C_m .

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