

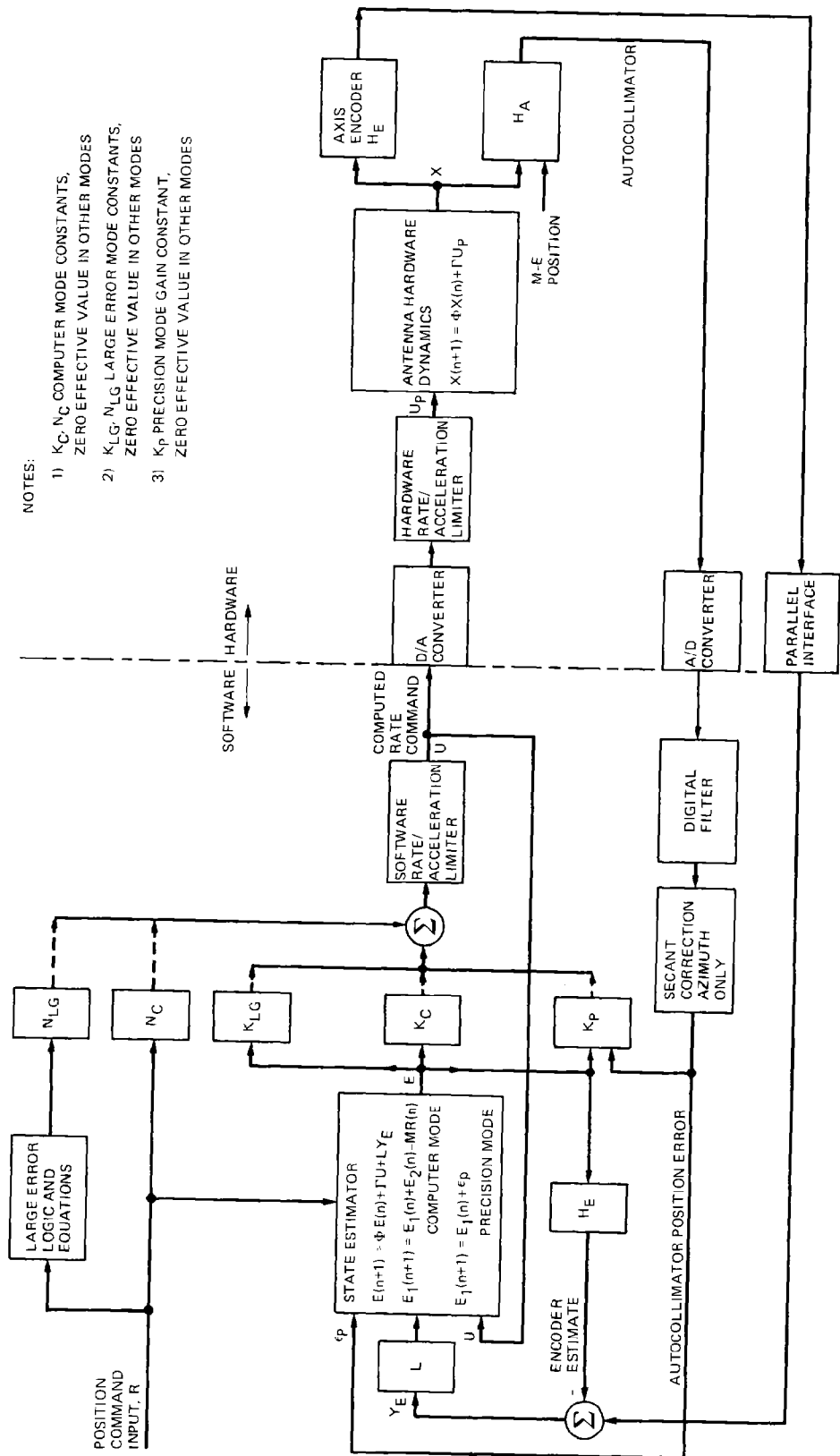
Errata

R. E. Hill (Ground Antenna and Facilities Engineering Section) has submitted the following errata to his article "A Modern Control Theory Based Algorithm for Control of the NASA/JPL 70-Meter Antenna Axis Servos" that appeared in the *Telecommunications and Data Acquisition Progress Report 42-91*, July–September 1987, November 15, 1987:

In the block diagram of Fig. 1 (page 294), a signal path from the Position Command Input to the State Estimator was omitted in error. Also, the estimator state equation for $E_1(n+1)$ for computer mode, which is printed in the State Estimator block, should be

$$E_1(n+1) = E_1(n) + E_2(n) - MR(n)$$

where for this application, $M = 1$. The corrected diagram is reproduced below.



NOTES:

- 1) K_C, N_C COMPUTER MODE CONSTANTS, ZERO EFFECTIVE VALUE IN OTHER MODES
- 2) K_{LG}, N_{LG} LARGE ERROR MODE CONSTANTS, ZERO EFFECTIVE VALUE IN OTHER MODES
- 3) K_P PRECISION MODE GAIN CONSTANT, ZERO EFFECTIVE VALUE IN OTHER MODES