

2002c

“Complete Linear Attitude-Independent Magnetometer Calibration,” R. Alonso and M. D. Shuster, *The Journal of the Astronautical Sciences*, Vol. 50, No. 4, October–December 2002, pp. 477–490.

This work extended the TWOSTEP technique to linear corrections, in particular, to scale-factor corrections and non-orthogonality corrections. (Misalignment is unobservable from attitude-independent data.)

In 1994, a year before the conference presentation of this material as 1995c, Markley complained to me (with justification) that it was unnecessary to present two algorithms, one for estimating biases, scale-factor errors and non-orthogonal corrections and one for estimating only biases and scale-factor errors. My reply to him was that I was concerned that if I didn't publish both of these, an engineer known to us would probably publish the less capable algorithm himself, and I was unwilling to let him take credit for a minor modification of something I had published. The engineer had been so unethical in the past (and would be so again in the future). Markley did not contest my reply.

Superseded 1995c.