

1981c

“Efficient Algorithms for Spin-Axis Attitude Estimation,” M. D. Shuster, *Proceedings, Flight Mechanics/Estimation Theory Symposium*, NASA Goddard Space Flight Center, Greenbelt, Maryland, October 27–28, 1981, 23 pp.

This work made spin-axis estimation algorithms more efficient through a greater use of vector algebra and presented a superior modeling of the measurement than had been the case earlier.

This work actually began in 1979 in the Golden Bull restaurant in Silver Spring. A CSC colleague, Ray Byrne, asked me how I would estimate spin-axis attitude, and I quickly sketched the measurement models and cost function on a napkin. Two years later, when I was no longer engaged in spacecraft attitude work for a living, I worked the method out more completely.

The work is described more fully in the comment to 1983a.

Superseded by 1983a