

2004a

“Attitude Analysis in Flatland: The Plane Truth,” M. D. Shuster, *The Journal of the Astronautical Sciences*, Vol. 52, Nos. 1 and 2, January–June 2004 pp. 195–209.

This work presents attitude determination in a two-dimensional universe. Basically it is a formalization of the independent axis approximation. As an example application the two-dimensional analogue of the OLAE attitude-determination algorithm of Mortari, Junkins and Markley is examined. Except for the choice of OLAE as the example for application rather than the much discredited unnormalized quaternion Kalman filter of Bar-Itzhack and Oshman and the excessive linguistic footnotes, the paper is identical to 1992a.

The paper not only poked a little fun at my friends Mortari, Junkins and Markley, but was even more a self-parody. It was also the first publication (since my dissertation) to include a literary quotation at the head of the article and every section. In this case the quotations came from Abbott’s satirical novel “Flatland.” The quotations turned out to be oddly appropriate.

Superseded 1992a.