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“Direction Averaging and Suboptimal Three-Axis Attitude Determination” Malcolm D. Shuster, submitted to the *IEEE Transactions on Aerospace and Electronic Systems*.

This journal submission is almost identical in content to the conference article 2000a. It differs by the discussion of multi-field-of-view star trackers and the application of the Brozenec-Bender method to a partitioning of the field of view of a single star tracker.

Supersedes 2000a.

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