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Errors Inherent in Chaff Centroid Tracking.

Authors: C. R. Mullin; GENERAL RESEARCH CORP SANTA BARBARA CA

Abstract: An analysis of the errors inherent in tracking the radar-cross-section centroid of a chaff cloud shows the centroid to have a random motion in addition to its long-term motion with the chaff cloud. This random motion can lead to errors in cloud trajectory estimation. There is a further error caused by the fact that the centroid does not exactly follow a Keplerian orbit. The deviation is slight, however, and can be neglected. (Author)

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