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ANALYTICAL PERFORMANCE OF MONOPULSE SPREAD SPECTRUM TRACKING SYSTEM IN
MULTIPLE-TARGET SCENARIO

Abstract

The tracking accuracy of monopulse tracking system, especially monopulse tracking radar, given in the literature is only for single target. With the application of spread spectrum technique in satellite tracking, the accuracy of CDMA-based multiple-target tracking needs to be analyzed. In this paper, we present the analytical form of the multiple-target tracking performance through mathematical deduction, together with simulation results.