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Optimal Estimation of Target in Clutter (CHAFF) from Radar

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Abstract: This work produced a simulation capable of giving the effectiveness of **chaff** used in the self-protective mode. Signal processing techniques were studied in **chaff** discrimination in crucial missile conditions. A missile-ship- **chaff** model will be constructed to provide the optimum confusion of the missile. The radar included in this simulation is a tracking radar with conical-scan modulation. Results of simulation runs illustrate the effects of varying **chaff** radar cross section when ship and **chaff** are in the same resolution cell.

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