

Study of Nonlinear Radar

Background

A nonlinear radar has been widely used in a high-clutter environment. It has many advantages and applications. To obtain distance information, many techniques are reported such as PRN-coded. In this thesis, a nonlinear radar will be studied, simulated and implemented.

Tasks

Investigate, implement and measure a nonlinear radar. The tasks may involve :

- Link budget calculation and system simulation using Matlab / ADS
- Implementation of the nonlinear radar
- Measurement



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