

## Principles Of Modern Radar Mimo Radar Scribd

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### Principles Of Modern Radar Mimo

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end, after briefly outlining the model of the received echo, a suitable detection structure is derived, and its performance is expressed in closed form as a function of the clutter statistical properties and of the space-time code matrix.

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FMCW radar is less affected by the noise in comparison to impulse radars. 2.1 FMCW radar basics In any radar, the electromagnetic wave is sent into the environment containing various objects. Then the echo of the wave is captured at a receiver. A simplified block diagram of such a system is shown in Fig. 1 in which both the

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As is hopefully evident from this chapter, analysis of the utility of MIMO techniques for a particular radar application may not be straightforward. It should also be clear that transmitting orthogonal waveforms is not advantageous in every situation. The primary goal of this chapter has been to

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provide a framework for evaluating the appropriateness of a particular suite of MIMO waveforms for ...

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