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Adaptive Cancellation of Scattered Interference

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Abstract: This is the final report on a 1 year study of methods of adaptively cancelling scattered jamming. The results contained in this report are relevant to interference scattered into the main beam of a radar or communication system from terrain or **chaff** illuminated by a jammer. These same techniques can be applied to jamming scattered into the sidelobes or main beam of a receiving antenna from scatterers near the antenna, i.e., the multipath problem, which is an important limitation in some adaptive nulling systems.

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