A Method of Spread Spectrum Radar Polyphase Code Design by Nonlinear Programming

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References:

Abstract:
A method of spread spectrum radar polyphase code design based on code elements symmetry and nonlinear programming is presented. The main features of the synthesized code are the very low sidelobes in the compressed pulse and noncoherent signal processing. The comparison to the well-known classes of polyphase codes is made.

Keywords:
Spread Spectrum, Polyphase Code