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Titolo	Signal Polarization Selection for Aircraft Radar Control : Models and Methods // by Nikolay Kondratyevich Yurkov, Alexey Yevgenyevich Bukharov, Dmitry Alexandrovich Zatuchny
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. General principles of system analysis of the problems of radar contrast increment control processes -- Chapter 2. Synthesis of signal's polarization selection system with the background of passive noise formed by reflections from distributed targets -- Chapter 3. Primary ways of technical implementation of developed selection system and methods of device's error minimizing -- Chapter 4. Experimental test of theoretical results.
Sommario/riassunto	This book highlights the synthesis of polarization selection system in the background of passive noise formed by reflections from space-distributed targets. This synthesis is fulfilled as close as possible to its ideal configuration in terms of maximal signal-to-noise ratio for the matched load of radar station antenna system. It presents a new approach to radar system resolution enhancement based on the

development of mathematical model for radiometric receivers with mono-pulse antenna systems, as well as creation of a new algorithm that allows increasing angular resolution during the object's search and tracking due to special signal processing. .
