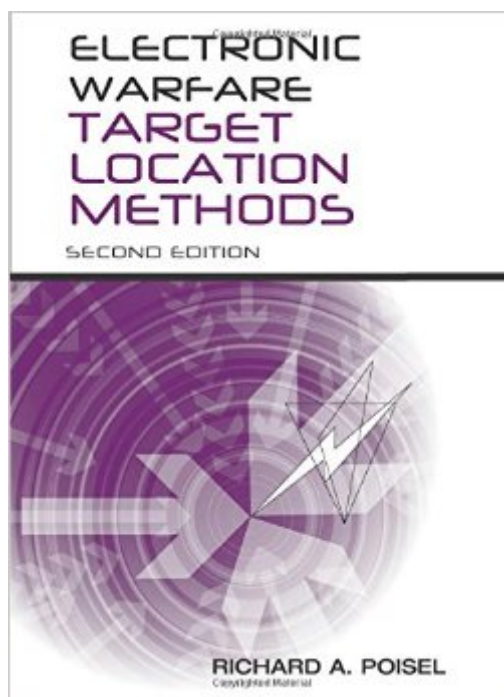


The book was found

Electronic Warfare Target Location Methods, Second Edition



Synopsis

Describing the mathematical development underlying current and classical methods of geolocating electronic systems that are emitting, this newly revised and greatly expanded edition of a classic Artech House book offers practical guidance in electronic warfare target location. The Second Edition features a wealth of additional material including new chapters on time delay estimation, direction finding techniques, and the MUSIC algorithm. This practical resource provides you with critical design information on geolocation algorithms, and establishes the fundamentals of existing algorithms as a launch point for further algorithm development. You gain an in-depth understanding of key target location methods that you can effectively apply to your work in the field. You discover triangulation algorithms that offer a highly efficient way to geolocate targets when the real estate on the sensor systems is adequate to support an antenna array. The book also presents quadratic geolocation techniques that can be implemented with extremely modest antennas frequently a single dipole or monopole. Moreover, this authoritative volume details methods for geolocating the source of high frequency signals with a single sensor site.

Book Information

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Customer Reviews

The book covers key elements of triangulation and other position-fixing methods, but it is more like a collection of notes than a concise, well written text. Be prepared to work through the derivations to fill the gaps and to connect the author's thoughts between paragraphs. Even though it is a 2nd edition, there are a number of mistakes that should have been caught in editing. Probably best as an

adjunct reference.

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