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| 1. Record Nr.           | UNINA990003347850403321   |
| Autore                  | Abbs, Brian   |
| Titolo                  | Starting strategies   |
| Pubbl/distr/stampa      | London, : Longman, 1979   |
| Altri autori (Persone)  | Freebairn, Ingrid   |
| Disciplina              | 095   |
| Locazione               | DECLI   |
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| 2. Record Nr.           | UNINA9911006524103321   |
| Autore                  | Willis Nicholas J. <1934->  |
| Titolo                  | Bistatic radar // Nicholas J. Willis  |
| Pubbl/distr/stampa      | Raleigh, NC, : SciTech Pub., c2005  |
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| Descrizione fisica      | 1 online resource (347 p.)  |
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| Livello bibliografico   | Monografia  |
| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references (p. 317-326) and index.   |
| Nota di contenuto       | Contents; Preface; Acknowledgments; Chapter 1. Introduction and Overview; Chapter 2. History; Chapter 3. Coordinate Systems, Geometry, and Equations; Chapter 4. Range Relationships; Chapter 5. Location and Area Relationships; Chapter 6. Doppler Relationships; |

Chapter 7. Target Resolution; Chapter 8. Target Cross Section; Chapter 9. Clutter; Chapter 10. Electronic Countermeasures and Counter-Countermeasures; Chapter 11. Multistatic Radars; Chapter 12. Special Concepts and Applications; Chapter 13. Special Problems and Requirements; Appendix A. Early Publications of Bistatic Radar Phenomenology  
Appendix B. Width of a Bistatic Range Cell  
Appendix C. Approximation to the Location Equation; Appendix D. Area within a Maximum Range Oval of Cassini; Appendix E. Relationships between Parameters in Target Location and Clutter Doppler Spread Equations; Appendix F. Orthogonal Conic Section Theorems; Bibliography; Index

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Sommario/riassunto

Annotation his book is a major extension of a chapter on bistatic radar written by the author for the Radar Handbook, 2nd edition, edited by Merrill Skolnik. It provides a history of bistatic systems that points out to potential designers the applications that have worked and the dead-ends not worth pursuing. The text reviews the basic concepts and definitions, and explains the mathematical development of relationships, such as geometry, Ovals of Cassini, dynamic range, isorange and isodoppler contours, target doppler, and clutter doppler spread. Key Features \* All development and analysis are

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