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ISBN	1-60807-058-1
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Collana	Artech House radar series
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Basics of the micro-doppler effect in radar -- 3. The micro-doppler effect of the rigid body motion -- 4. The micro-doppler effect of the nonrigid body motion -- 5. Analysis and interpretation of micro-doppler signatures -- 6. Summary, challenges, and perspectives.
Sommario/riassunto	This highly practical resource provides you with thorough working knowledge of the micro-Doppler effect in radar, including its principles, applications and implementation with MATLAB codes. The book presents code for simulating radar backscattering from targets with various motions, generating micro-Doppler signatures, and analyzing the characteristics of targets. You find detailed descriptions of the physics and mathematics of the Doppler and micro-Doppler effect. Moreover, you learn how to derive rigid and non-rigid body motion induced micro-Doppler effect in radar scattering. The book prov.