



# **The Micro-Doppler Effect in Radar [With DVD] (Artech House Radar Library) (Artech House Remote Sensing Library)**

*Victor C. Chen*

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The Doppler Effect can be thought of as the change in frequency of a wave for an observer moving relative to the source of the wave. In radar, it is used to measure the velocity of detected objects. This highly practical resource provides 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. In this title, professionals will find detailed descriptions of the physics and mathematics of the Doppler and micro-Doppler effect. The book provides a wide range of clear examples, including an oscillating pendulum, a spinning and precession heavy top, rotating rotor blades of a helicopter, rotating wind-turbine blades, a person walking with swinging arms and legs, a flying bird, and movements of quadruped animals.

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The Micro-Doppler Effect in Radar [With DVD] (Artech House Radar Library) (Artech House Remote Sensing Library) can be one of your beginner books that are good idea. All of us recommend that straight away because this reserve has good vocabulary that can increase your knowledge in vocabulary, easy to understand, bit entertaining however delivering the information. The author giving his/her effort to set every word into pleasure arrangement in writing The Micro-Doppler Effect in Radar [With DVD] (Artech House Radar Library) (Artech House Remote Sensing Library) nevertheless doesn't forget the main position, giving the reader the hottest along with based confirm resource info that maybe you can be one among it. This great information can certainly drawn you into new stage of crucial imagining.

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