

Introduction To Airborne Radar 2nd Edition

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greatly expanded from the best selling second edition by george w stimson this book offers a complete overview of the major developments in air and spaceborne radar in line with advances in modern technology

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chapters 17 new contributors inside this cutting edge radar guide mti radar pulse doppler radar multifunctional radar systems for fighter aircraft radar receivers automatic detection tracking and sensor integration pulse compression radar radar transmitters reflector antennas phased array radar antennas radar cross section sea clutter ground echo space based radar meteorological radar hf over the horizon radar ground penetrating radar civil marine radar bistatic radar radar digital signal processing and more

the book reviews developments in the following fields stealth systems interceptability parameters and analysis intercept receivers stealth waveforms stealth antennas and radomes and signal processing covering the world's literature on meteorology climatology atmospheric chemistry and physics physical oceanography hydrology glaciology and related environmental sciences

this is a systematic introduction to airborne mti radar design in use in the fields of earth observation surveillance and reconnaissance with particular regard to the suppression of clutter returns it explores signal processing techniques jamming and system applications including sonar

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