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FMCW Radar for Autonomous Vehicles |
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Possible Pulse Radar vs Stepped Frequency:
which is really multi-frequency? | Ground
Penetrating Radar (GPR) Pulse-Doppler Radar |
Understanding Radar Principles Build Your Own
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wave modulation apply. However, the FMCW radar is now working with several successive frequencies. In each of these individual frequencies, a phase angle of the echo signal is measured. Radartutorial Frequency stepped radar's HRRP and 2D images are used for target recognition and classification. Currently, the fine range resolution capability of frequency stepped radar is being exploited to solve the difficult problem of detection of high-speed, low-RCS targets in the presence of large clutter. Precision Imaging of Frequency Stepped SAR with Frequency ...Development of a Step Frequency Continuous Wave

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when the image theory
is used.....41 Figure
2.10 Subsurface radar
sensors receiving from
the 2nd interface: (a)
geometry of the
pavement (b)
geometry of the
...DEVELOPMENT OF
MICROWAVE AND
MILLIMETER-WAVE
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...Continuous-wave
radar (CW radar) is a
type of radar system
where a known stable
frequency continuous
wave radio energy is
transmitted and then
received from any
reflecting objects.

Individual objects are
detected using the
Doppler effect, which
causes the received
signal to have a
different frequency
than the transmission,
allowing it to be
detected by filtering
out the transmitted
frequency. Continuous-
wave radar -
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Continuous-wave radar

(CW radar) is a type of radar system where a known stable frequency continuous wave radio energy is transmitted and then received from any reflecting objects. Individual objects are detected using the Doppler effect, which causes the received signal to have a different frequency than the transmission, allowing it to be detected by filtering out the transmitted frequency.

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نام کتاب: Stepped-Frequency Radar Sensors – Theory, Analysis And Design
و نویسنده: Cam Nguyen و Joongsuk Park
ویرایش: ۱
ISBN سال انتشار: ۲۰۱۶
کتاب: ۹۷۸۳۳۱۹۱۲۲۷۰۰
فرمت: ۹۷۸۳۳۱۹۱۲۲۷۱۷

تعداد صفحه: ۱۲۹ PDF
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