



OPTICS- AND RADAR-BASED OBSERVATIONS

F7003R

General Radar Theory

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In this Assignment, *Problem 2 - general radar theory*, ...

1 Operational frequency for scientific radar

1.a Frequency ranges

1.b Information gathered by radar measurement

2 The radar equation

3 Cross section calculation

4 MST radars

4.a SNR as function of universal time and altitude

4.b Pulse calculations

4.c Transmitted pulse length and received signal strength

4.d Atmospheric parameters

include
mat-
lab
codes
here

References