

that we are only interested in the detection of the motion of the target. With these characteristics and limitations we now iterate to design a best fit radar system for our considerations.

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This is an interesting concept, well-written and good organization. Parts of a Situation Analysis are here but it should be linked to one or two concrete scenarios. Motivate by identifying just what useful tasks the radar will serve, and ~~what~~ decide what performance specs, ΔR , R_{max} , $\Delta \theta$, etc., are necessary. Then in the next section, Design Analysis, you will assemble a radar system to meet these specs.

Use a Table to summarize your performance specs.

See Guidance Document