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matched filter  
banks are used  
for both wave  
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Radar Signal  
Processor The  
signal processor  
is that part of  
the system which  
separates

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targets from  
clutter on the  
basis of Doppler  
content and  
amplitude  
characteristics.

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sets the  
conversion of  
radar signals to  
digital form is  
typically  
accomplished  
after IF

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the ability of a  
radar to resolve  
(distinguish)  
between two or  
more targets on  
the same bearing  
but at different  
ranges Range  
cell (or)

Resolution cell  
is smallest

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range increment  
the radar is  
capable of

detecting. If  
the radar has a  
range resolution  
of 50 yards and  
a total range of  
60000 yards

there are  
 $60000/50=1200$   
range cells.

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With radar  
signal  
processing is  
referred the  
part that is  
still dealing  
with the analog  
(or often  
present even as  
a digital value)  
magnitude of the

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echo signal. The  
radar data  
processing is  
the part of  
processing,  
which concerns  
only the  
information  
about a target.

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