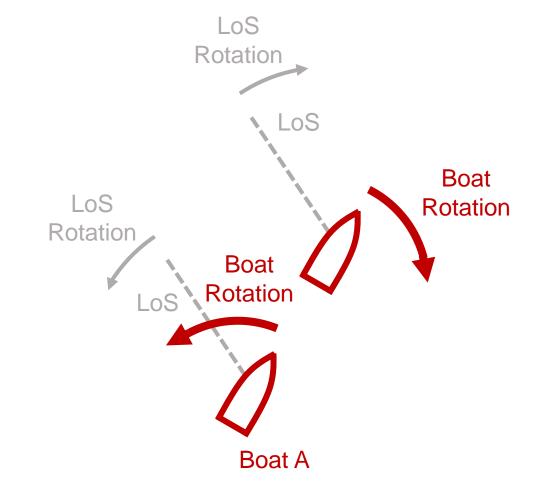
## Boat B LoS N LoS N Boat A

## (b) Proportional Navigation



Boat Rotation = N x LoS Rotation
Navigation Constant

## (C) Range Vector Correlation

Step 1	Step 2	Step 3	Step 4
LoS (t) LoS (t-1)	LoS (t)  Difference Vector	Difference Angle  Difference Vector	Difference Angle  0 0 80 0 80 0 1 1
Obtain lines-of-sight between target and interceptor.	Obtain the time derivative difference vectors of LoS.	Measure the angle between difference vectors and LoS.	Convert the difference angle to correlation value.