Angle Error Description

- The ensuing graphs use the following orientation for the angular error; i.e. if the destination is at one of these green circles (relative to the robot), the angle used for the calculation will be these numbers.
Function A

- This has already been described to you, but you should include it in your assignment, since your audience has never seen it.

Max forward

Max reverse

0

-180° -90° 0° 90° 180°
(clockwise) (anti-clockwise)

Right Velocity

Left Velocity
Function B

Max forward

Max reverse

Right Velocity

Left Velocity

-180° (clockwise)

-90°

0°

90° (anti-clockwise)

180°
The position of the breakpoints can be adjusted, so consider cases of 5° from center and 30° from center.
Function D

Max forward

Max reverse

Right Velocity

Left Velocity

-180° (clockwise) -90° 0° 90° 180° (anti-clockwise)