Angle Conversion

This system converts an
angle described as a voltage
between 0 and 1 and turns it
into an angle in degrees.
The rate of change of angle
is also calculated.

Use this constant input
when the 0 point of the
input angle is not the same
as the 0 point needed by
the rest of the simulaink
model.
(left leg horizontally forward)

-C-

Angle Shift

Ensure that the final angle
value is between 0 and 360

1

Angle (0 to 1 volts)

u*360

angle into degrees

u - 360*floor(u/360)

0 < u < 360

1

Angle (deg)

Angle   Vel (deg/s)

Angle Derivative

2

Vel (deg/s)