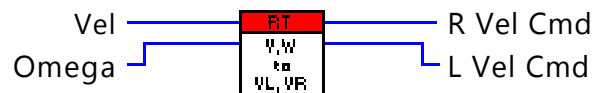VW to Wheel Velocities.vi
M:\CWRUCutterHex\LabVIEW\src\RT\Utilities\VW to Wheel Velocities.vi
Last modified on 9/28/2012 at 2:26 PM
Printed on 9/28/2012 at 2:30 PM

Connector Pane

VW to Wheel Velocities.vi

Vel ——————— R Vel Cmd
Omega ——————— L Vel Cmd

Converts a Velocity and Omega into the wheel velocities Vleft and Vright

Inputs:
- Velocity
- Omega

Outputs:
- Vleft
- Vright

Front Panel

Vel   R Vel Cmd
0   0

Omega   L Vel Cmd
0   0

Block Diagram

Todo: Incorporate scaling and track width??

Vel   R Vel Cmd
I16   I16

Omega   -1   L Vel Cmd
I16   x2^n   I16