HW2-10 A 0 = H(O) V6 James Artges - Can't move only In Y · Con mone in X - Weel I turns back, = H(0) Whel 2 tuens forward To spin in place when 2] = H(0) · [Wbx Vby Part D.1.3 IK

Part O. 1. 1 gre Lwist > rywn
Phis /timestep! 2. given of be and current & update return of > whimate support? 13. given twist, find op, , op_ return 1. returns of P2 given of P2 and ϕ_i, ϕ_i The (old-pos-vec) and y 1 Tbb' > New position vector + their twist, old config Forward - kienalics wheel velocities 9, old angles, new angles Use angles to get Weel vel to two s) (dd = (-d.0+x)/1 Rd = (d.0 +x)/ Rdord+x=do > Rdord+x=0

12 = do +x -61= - d. 0 + x PL= -d(R. 5+x)+x [i] = [d 10] i p(i-i) = 210 > 0 = 2d(i-i) V s(RIL) = 2x x = = (RIL) Dit Dries dojet tracks the states updates them as smulation runs