

2/3

Vileing Robotics Society Example = 1800 Michael Nguyen 3/3 -> a= 1800 - aq - ab Use Law of cosines to find an L12 = = 222 + L22 - 32L2 cos(ab) =242 cos(an) = = = = + +2 - -12 cos (ab) = 222 + 122 - 1-12 6232 $a_0 = cos^{-1} \left(\frac{2}{2} + \frac{2}{12} - \frac{2}{12} \right)$ cia = tan (=) $a = 180^{\circ} - tcm^{-1}(\frac{2}{5}) - cos^{-1}(\frac{22^{2} + L_{2}^{2} - L_{3}^{2}}{L_{3}^{2}})$