Newton-Euler Dynamics Technical Conclusion

Problem: Given Θ. Ö. Ö, calc T ← Inverse Pynamics

2 Steps: Forward Propagation: Calc acc from base to tip

O robot kinematics and mass, inertial for each link know

@ Given 0,0,0 for each link

@ Calc V, V for each Link's COM, from 1 > n

back Propagation: calc force & moment from tip to base

D End effector force Fn+1 know.
 ② Calc T: for each joint, from n → 1.

3 Comments: this iterative algorithm is specific for solve Inverse Dynamics

Newton - Euler method could also generate Manipulator's Equation to

calculate Forward Dynamics