

Arm swinging during walking: d-arm dength Anni 57 = hj + di - d cosoj - dsinoi Anni 57 = hj - di - dcosoj + d sizuk T, - d sino oj - d coso od Viedsinous 1 d coso is k. we have lumped the arm at COA, 1. Ho= 5, xmat, + 5, xmav = 2d lm 0 (050) Elther we stand and more our arms, the trunk also moves to compensate for the angular momentum Walking: Holags = 2dd, mao, coso. j. Hoarms & Holegs counteract and to maintain the some frequency arms have more amplitude to compensate for the uncreased man and length of Nentical Jumping Franc - achelles, m= 75 dg. Length of foot = 27cm, w= 150 ad 15. Length of momention = 4 cm, x=-150 stad 18. 2Fa-mg=may, ay=12mls2 Fy = 825N, mais of foot = 1.5 kg Speneral Inverse Dynamic analysis procedure:

Fr. F. Jigamentow force . F; = Joint reaction

For => goint fruition Fm: Murde forces.

M. All forces oreduced

Rx to 3 underown