Rigid Body Kinetics-General Planar Motion

$$ZF_{x} = m(a_{G})_{x}$$

Rolling Motion



If diskrolls without sliding mass center of acceleration ac and angular acceleration are not independent Q= 0 x

$$F_F \leq u_5 N$$

Rotates and slides

à and & are independent FF=UKN

157 assume it rolls without sliding a=roc check f= = usN (done)

2nd rework F== UKN