





f= MRH

on the speed.

> Coving small greg to the second orien

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Static forction: Factional force if the bodies are in Contact but not sliding With respect to Each other.

Example: Pushing an heavy Almira -

Kg= Cofficial Static for Ghion

m=30kg, 0=10° and F=85N Calculate the friction Cofficent it the Cart is pushed at a Constant's peads

 $F = F_f + mg SinQ$ $F = H_k F_H + mg SinQ$ $F_a = BS^2 M^ F_a = BS^2 M^ H_k = 0.117$