## Rigid body dynamics

Coriolis acceleration

$$ec{a}_p = ec{a}_o + rac{^b d^2}{dt^2} ec{r} + 2ec{\omega}_{ib} imes rac{^b d}{dt} ec{r} + 2ec{\omega}_{ib} imes ec{r} + rac{^b d}{dt} ec{r}$$

Author ()

Presentation title

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## Rigid body dynamics

Coriolis acceleration

$$ec{a}_p = ec{a}_o + rac{^b d^2}{dt^2} ec{r} + 2ec{\omega}_{ib} imes rac{^b d}{dt} ec{r} + 2ec{\omega}_{ib} imes ec{r} + rac{^b d}{dt} ec{r}$$

Transversal acceleration



Author ()

Presentation title

## Rigid body dynamics

Coriolis acceleration

$$ec{a}_p = ec{a}_o + rac{{}^b d^2}{dt^2} ec{r} + rac{2 ec{\omega}_{ib} imes rac{{}^b d}{dt} ec{r}}{dt} + rac{{}^{ib} imes ec{r}( extbf{1})}{\int } + rac{ec{\omega}_{ib} imes (ec{\omega}_{ib} imes ec{r})}{\int }$$

- Transversal acceleration
- Centripetal acceleration



Author ()