Text, letter

Description automatically generated

# **Rotation**

Roll: X

Pitch: Y

Yaw: Z

ZYX =

=

=

range

range

# **Model**

where

Corrected:

Discrete Time Model:

Predict:

Update:

: prediction error matrix

: covariance matrix of how quickly acc/state changes:

: covariance matrix of

Results

xyz clockwise

1.

Graphical user interface

Description automatically generated

**2. xyz clockwise**

Graphical user interface

Description automatically generated

**xyz counter-clockwise**

Timeline

Description automatically generated

**zyx clockwise**

A picture containing graphical user interface

Description automatically generated

**zyx count-clockwise**

Graphical user interface

Description automatically generated