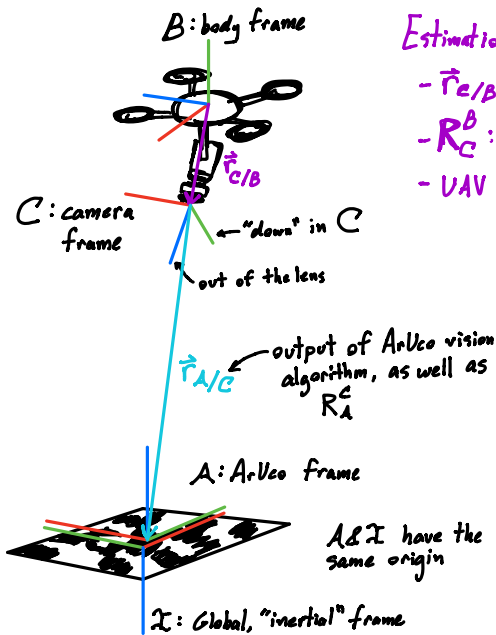


x y z



Estimation output:

- $\hat{r}_{C/B}$: translation between camera and UAV body frame
 - R_C^B : rotation between camera and UAV body frame
 - UAV position and orientation, expressed in \mathcal{I}
- modeled as biases in the estimation

Estimation Overview

1. Predict using IMU measurements and quadrotor dynamic model (expressed in B)
 - IMU measurements received in \mathcal{I} , transformed to B
 - Force inputs expressed in B
2. Update using $\hat{r}_{A/C}$ and R_A^C (ArUco outputs)