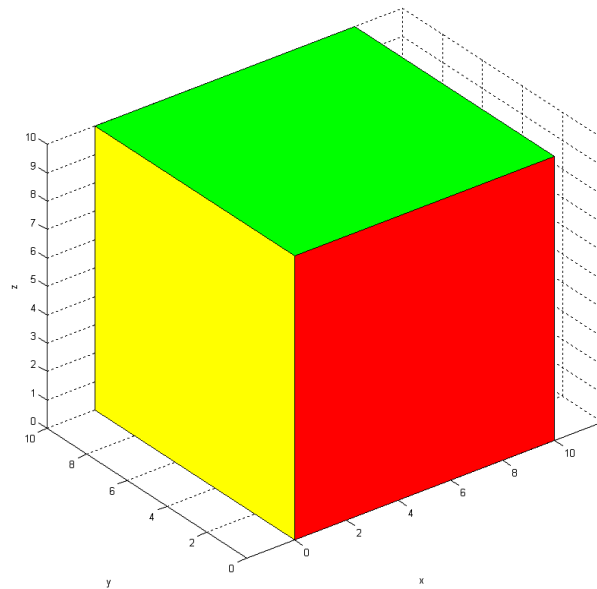


## 2024 MMC\_HW3

When the angular velocity from the Gyro sensors attached in the Rectangular object below are  ${}^B W_x = \frac{\sin(2t)}{100}$ ,  ${}^B W_y = \frac{\cos(5t)}{100}$ ,  ${}^B W_z = \frac{\cos(t)}{10}$ ,

- Select one angle set (euler angle or fixed angle rotation) by yourself
- Derive the velocity relationship between Body fixed coord. and selected angle set velocity
- Show the posture of the object at each second to 5sec.  
(Define the color of the hidden surfaces by yourself.)



Initial Posture(at 0 sec)