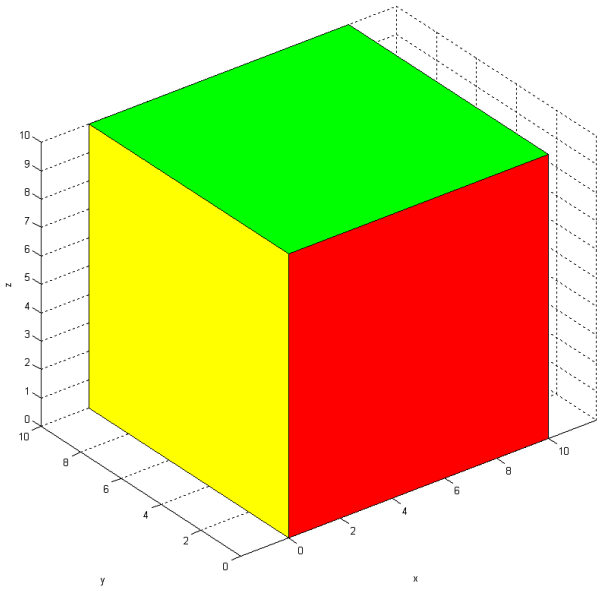
Manipulator Mechanics and Control

Homework #5

When the angular velocity from the Gyro sensors attatched in the Rectangular object below are ${}^{B}W_x = \frac{\sin(t)}{20}$, ${}^{B}W_y = \frac{\sin(2t)}{20}$, ${}^{B}W_z = \frac{\cos(t)}{10}$, Show the posture of the object at each second to 5sec.



Initial Posture is described with z-y-z Euler angle($\alpha = 10\text{deg}, \beta = 10\,\text{deg}, \gamma = 10\,\text{deg}$) at 0 sec)