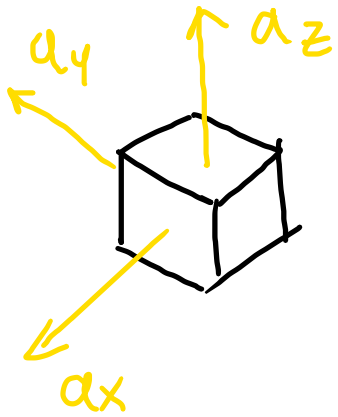
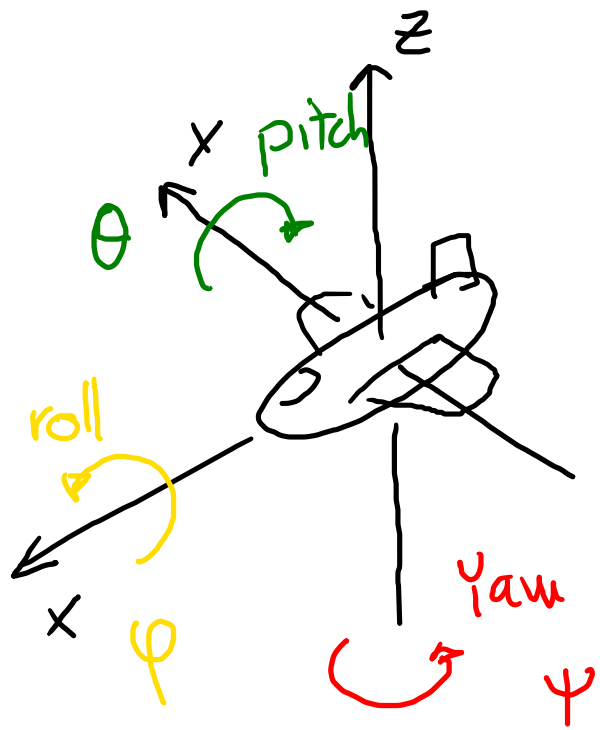
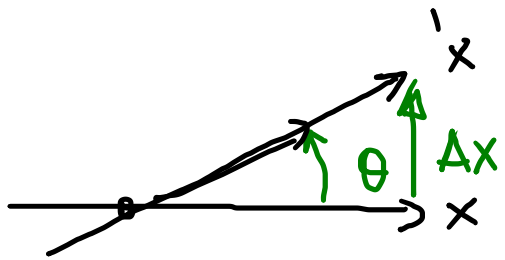
MPU6050 TDK





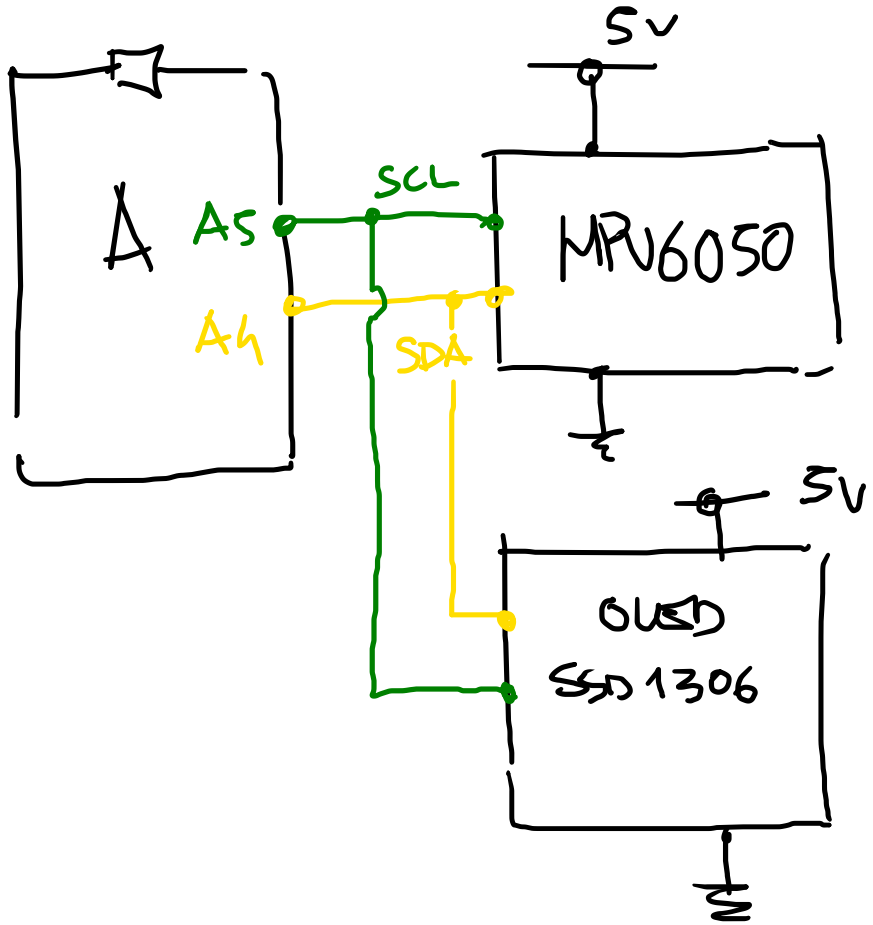


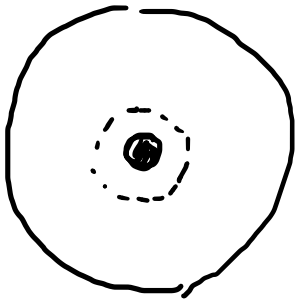
$$A_x = \operatorname{sen}(\theta)$$

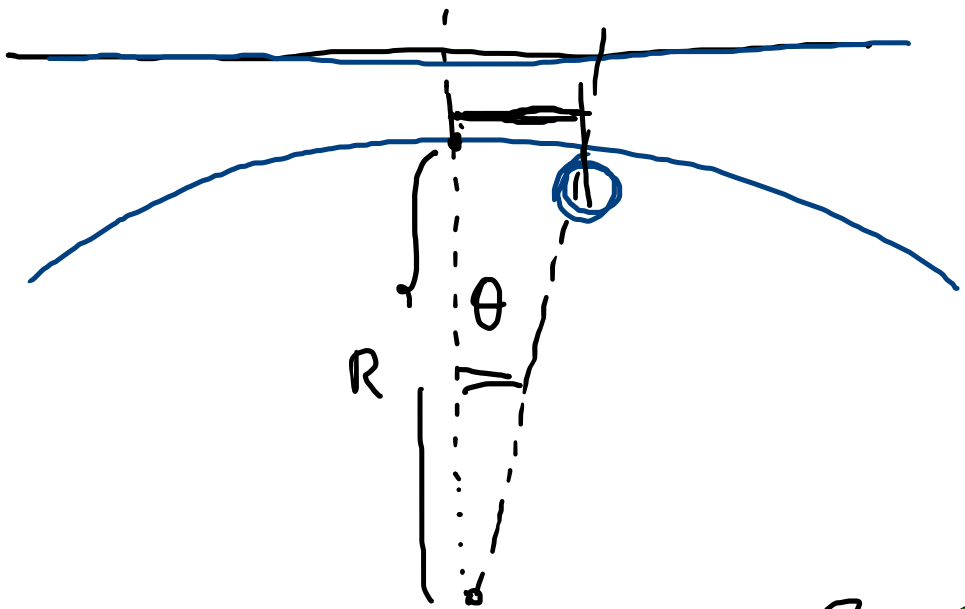
$$\theta = \operatorname{arcsen}(A_x)$$

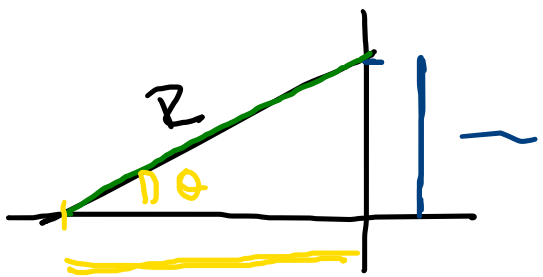
$$\theta = \operatorname{arctg} \frac{A_x}{\sqrt{A_y^2 + A_z^2}}$$

$$\varphi = \operatorname{arctg} \frac{A_y}{\sqrt{A_x^2 + A_z^2}}$$


5V
A5
SCL
MPU6050
A4
SDA
5V
OLED
SSD1306




θ
R


R
θ
R · Sen θ
R · Cos θ