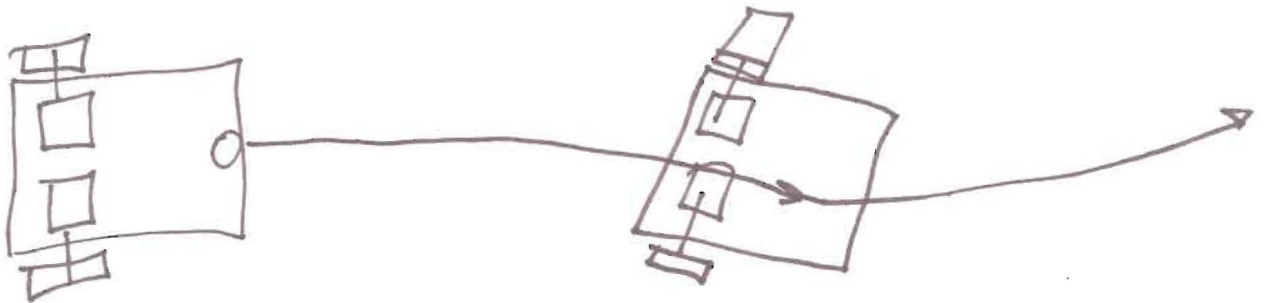
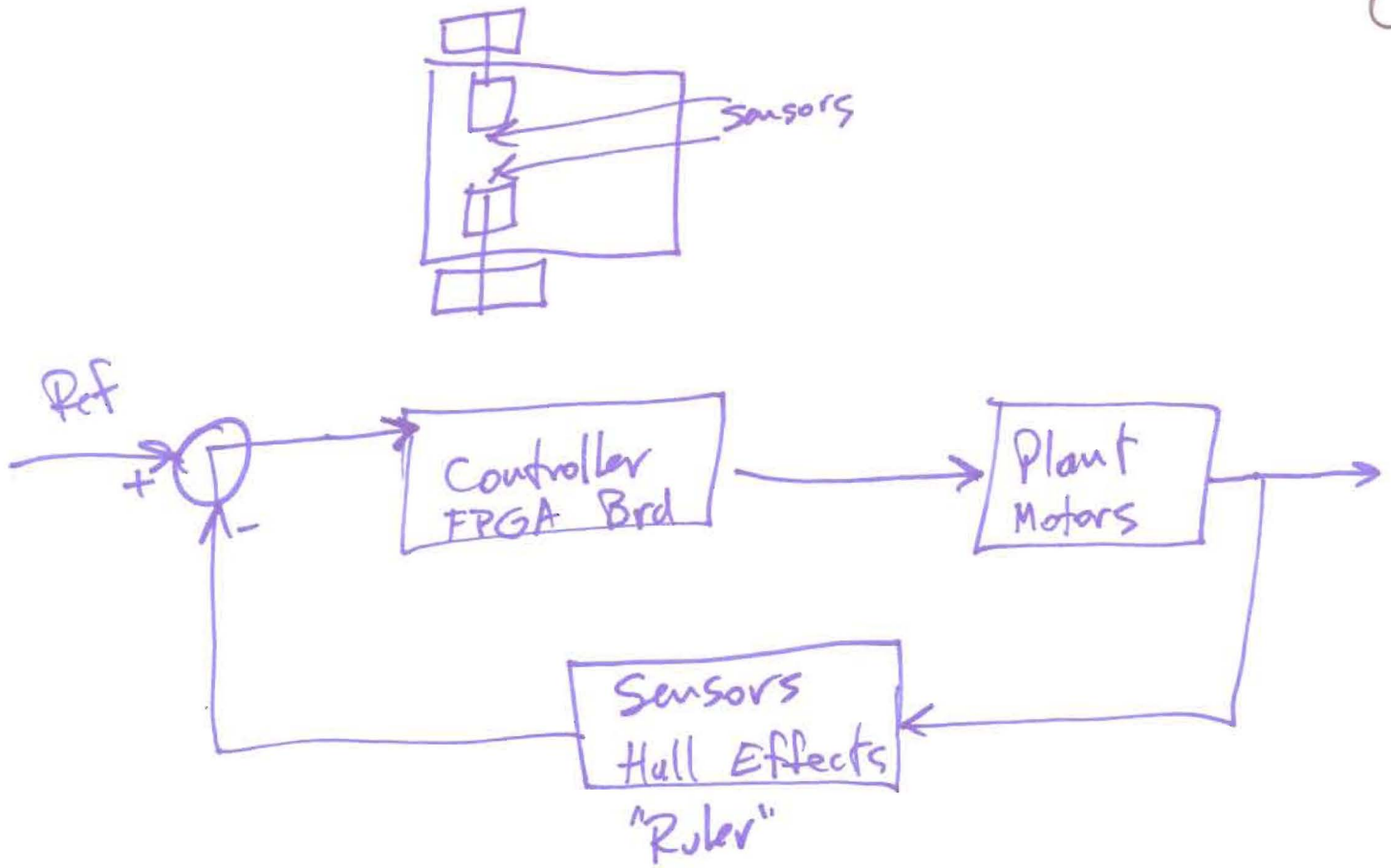
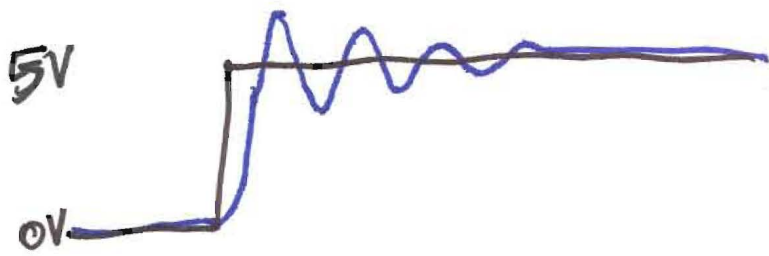


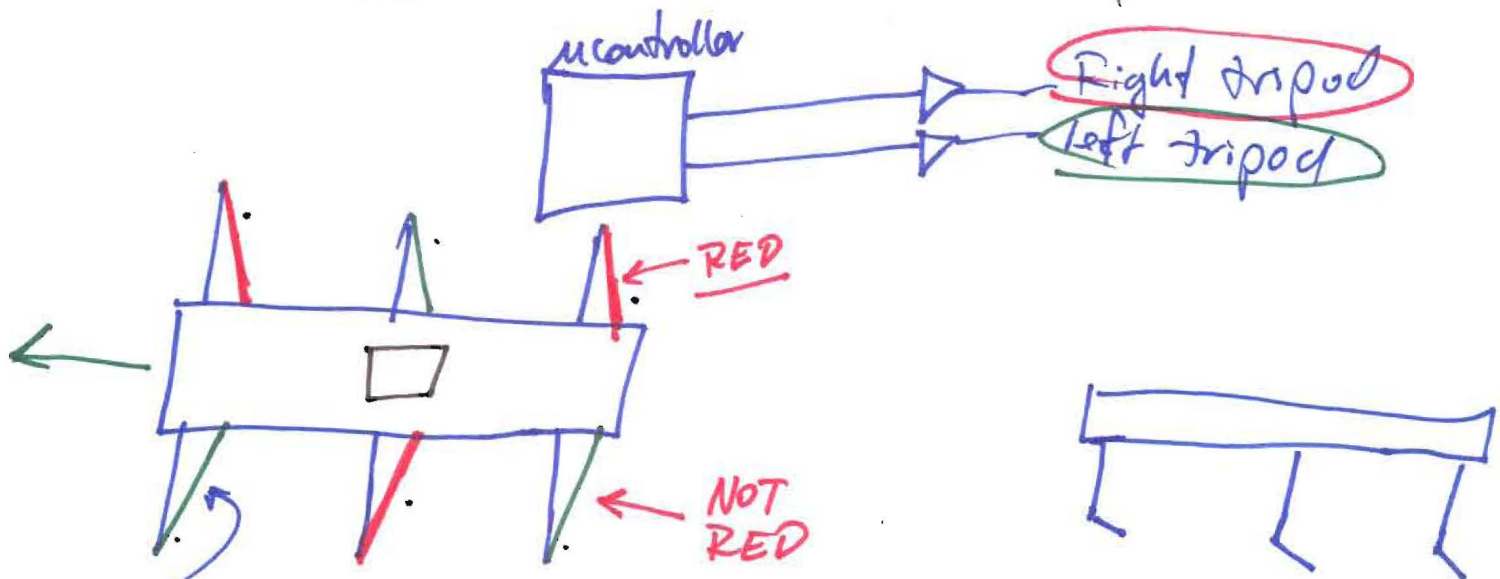
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①





Engineering $\xrightarrow{\text{mimic}}$ Biology

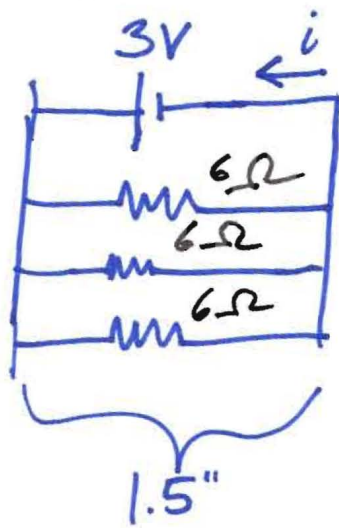


Flexinol (Nitinol)

Add current $(V = IR)$

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4Ω per inch

2 AAA batteries
125 mAh

125 mAh
1.5V



3.0V → 125mAh

~~$$R = \frac{3R}{3 \cdot 6}$$

$$= \frac{1}{3 \cdot 6}$$~~

~~$$V = IR$$

$$\frac{3.0}{R} = I$$

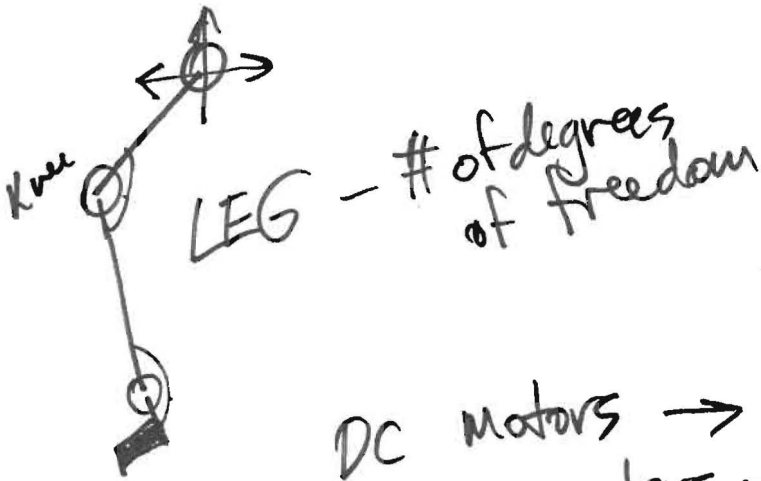
$$\frac{3.0}{1/18} = I$$~~

$I = 1.5A$

4-5 minutes

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④



DC Motors → lab 3
Servo motors → lab 2
Steppers