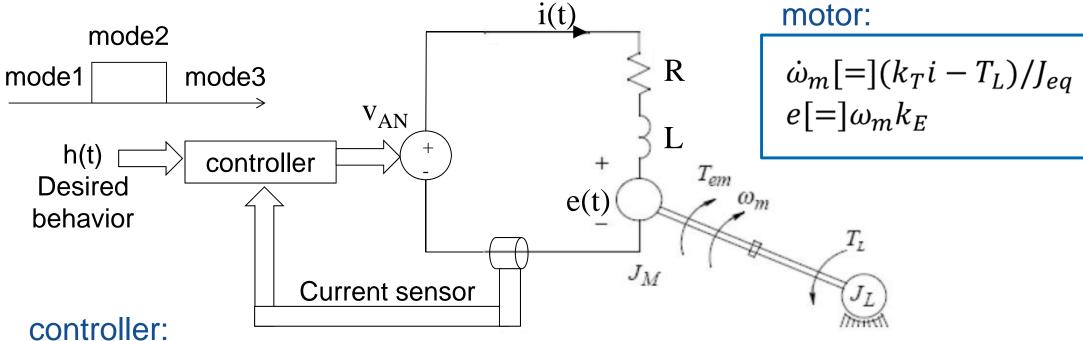
Electric motor

RL circuit:
$$i = (V_{AN} - e - Ri)/L$$



$$V_{AN}[=]k_{PWM}\{k_p(h-i)+k_i\int (h-i)dt\}$$



Electric motor

RL circuit:

$$i = (V_{AN} - e - Ri)/L$$

motor:

$$\dot{\omega}_m[=](k_Ti - T_L)/J_{eq}$$
 $e[=]\omega_m k_E$

Connecting the classes:

```
circuit.v<sub>AN</sub> [=] controller.v<sub>AN</sub> circuit.e [=] motor.e motor.i [=] circuit.i controller.i [=] circuit.i
```

controller:

$$V_{AN}[=]k_{PWM}\{k_p(h-i)+k_i\int (h-i)dt\}$$

