

* 9V battery
5V USB
for Arduino

AD623?
↓
Adjustable
Gain.

Gain = ?
→ 0 ~ 5V at the end.
for Analog in.
→ No need for
big G here

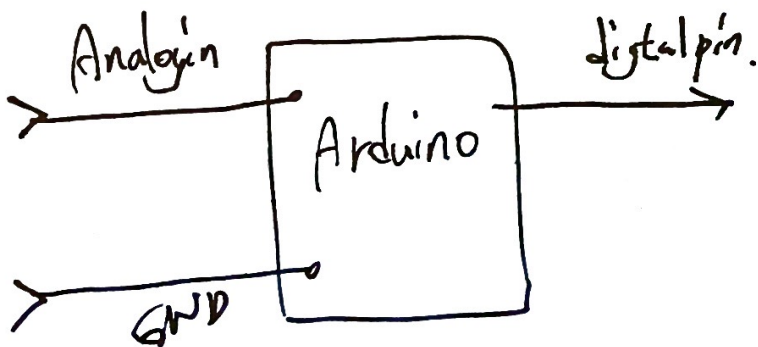
5 - 450Hz
→ Sallen-key?

Can be drawn
from
arduino?
Can we
Zener
←
With smoothing
Cap.
5V
↓
Protection
at the end.

0 ~ 5V.
* Arduino
Resolution $\approx 4mV$

EMG : $50\mu V \sim 30mV$.

→ total gain ≈ 150 ?



How many servos?
→ Arduino has limit
→ may be need some
outer source.

like battery (6V?).
no 5V battery...