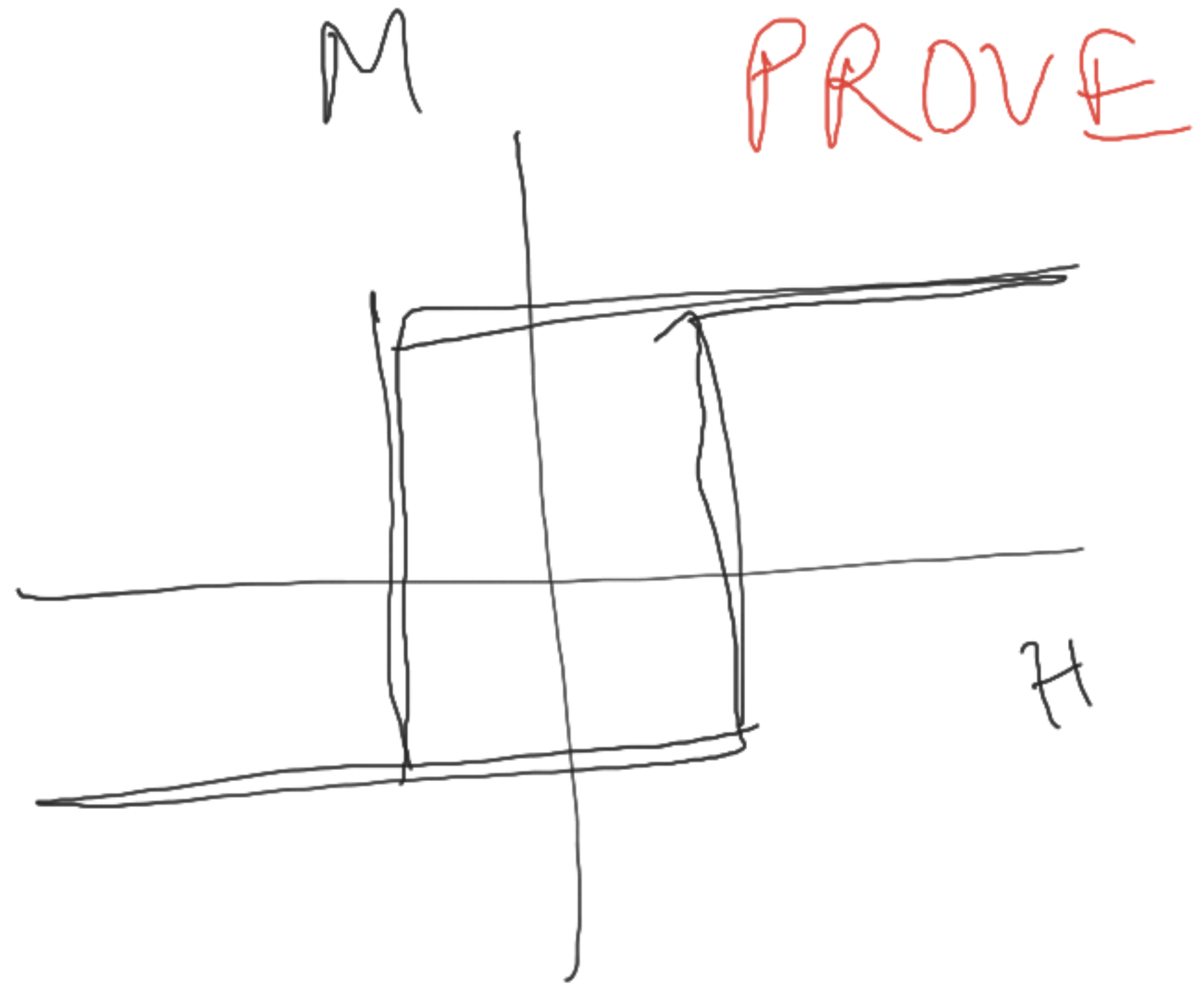


Multi-Domain



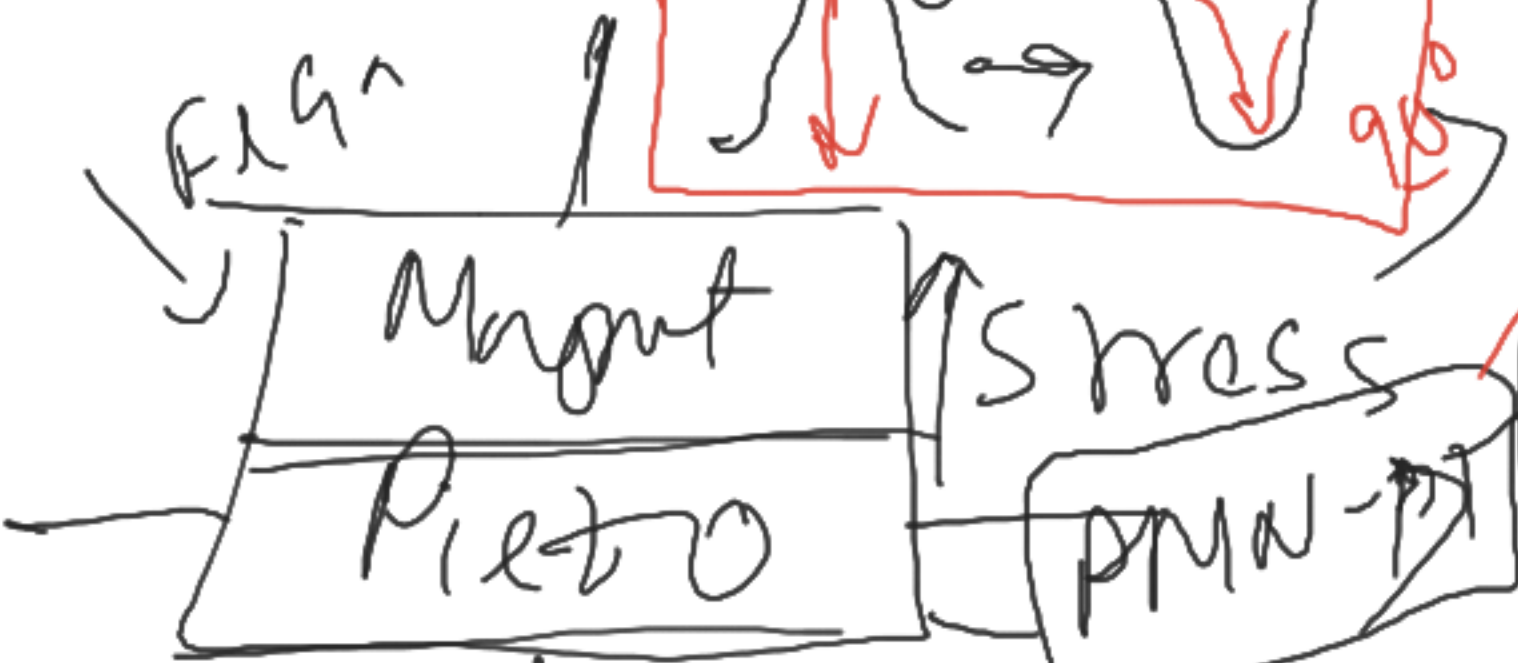
Single-Domain

Vge potential landscape

$$G_0 \mu = 1 \text{ eV} = 1.602 \times 10^{-19} \text{ J} \quad \text{SA}$$

Stress anisotropy

$$= \left(\frac{3}{2} \lambda \right) \sigma \Omega \cos^2 \theta$$



Stressing the piezo
Stress will be elastically
transferred to the Magnet

volume piezo
answer
Calculate 6 eV
(E_{2H})

Stress anisotropy in
the magnet - 200 nm

$$\sigma = \frac{F}{A}$$

$$= \frac{Y \Delta L}{L}$$

$$\frac{3}{2} \lambda = 130 \times 10^{-6}$$

$$\mu = 250 \times 10^9 \text{ Pa}$$

$$d = 3000 \text{ pm/V}$$

$$t = \frac{200 \text{ nm}}{100 \text{ nm}}$$

$$\Omega = 100 \times 90 \times 10^{-18} \text{ m}^3$$

SA - $2.4 \times 10^{-10} \text{ T}$

$V = 50 \text{ mV}$

$$E_M = -M \cdot H$$

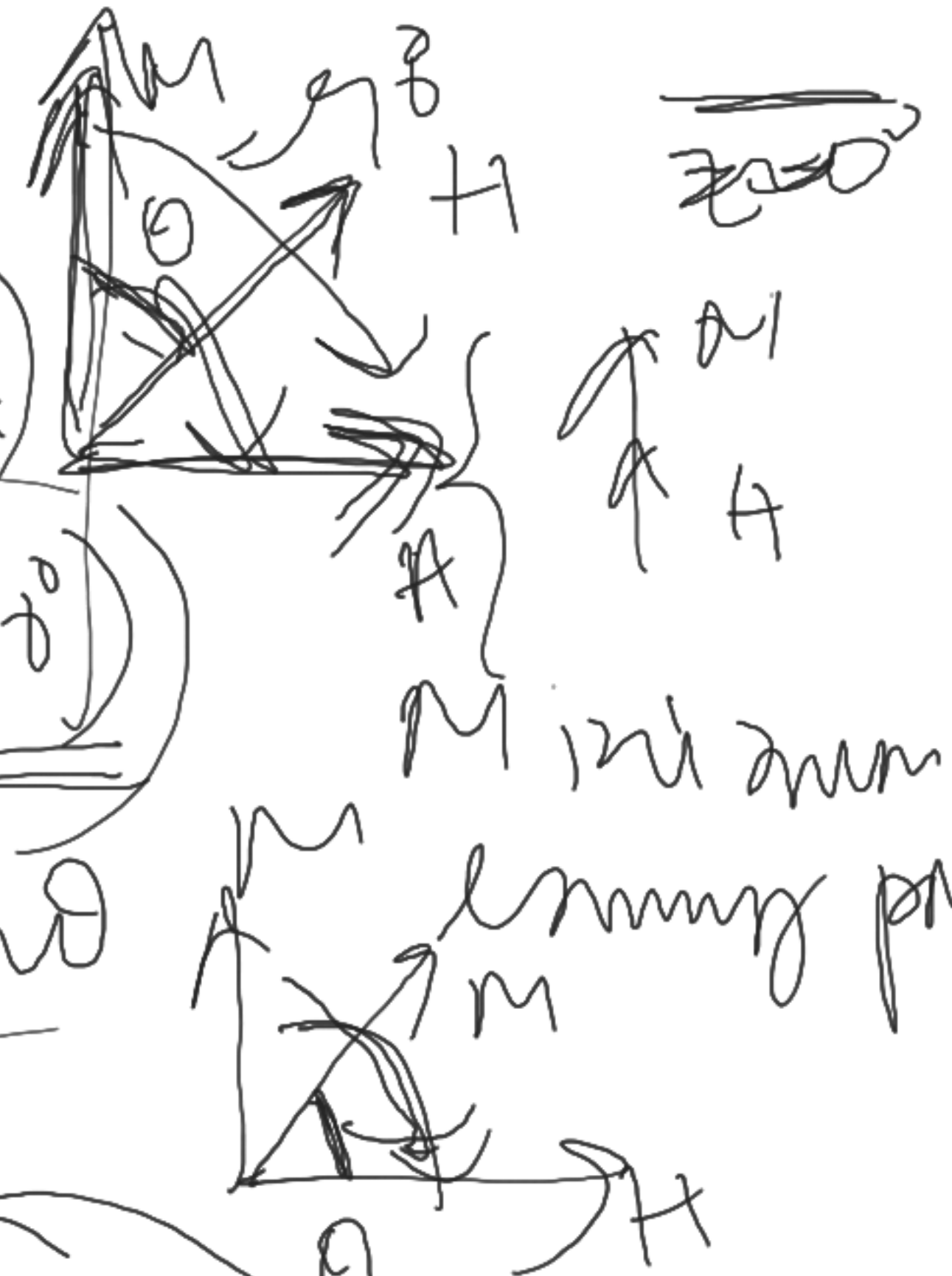
$$= -MH \cos(\theta - \theta_0)$$

$$= -MH \sin(\theta - \theta_0)$$

$$MH \cos(\theta - \theta_0) \Rightarrow MH \sin \theta$$



θ_0 rotation





$$M_z = M_{CMO}$$

monosimul
change

schwarz 1 2 3 4 7 M_z

