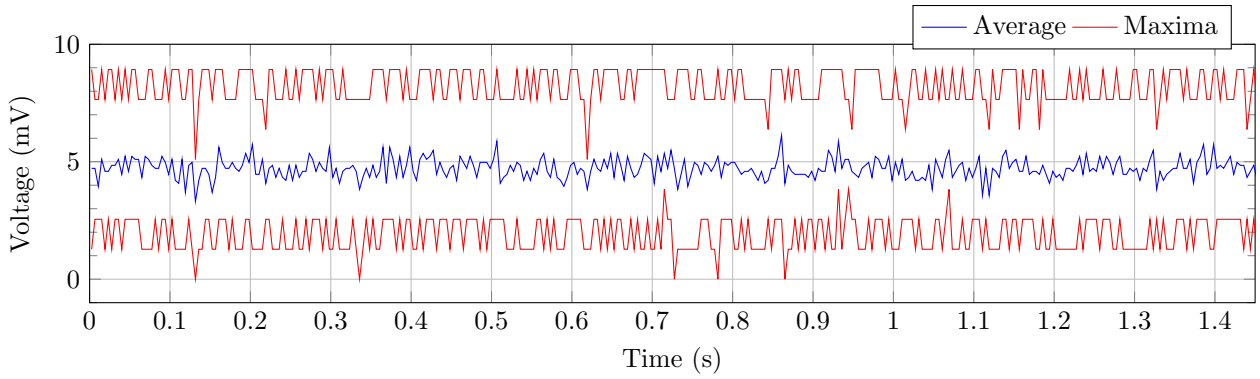

Figure 1: Sampling rate: 416 µs. Data is indiscriminately decimated (for performance), then chunks of 10 are averaged. y-axis is shifted so lowest low is 0.

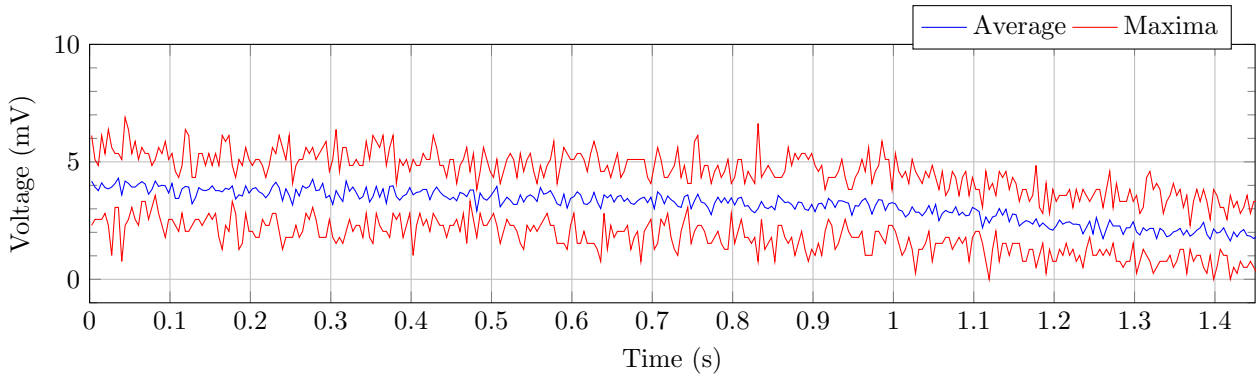

Figure 2: Same as above, but average over 5 recordings. Drift caused by inconsistent start of the experiment. Not helpful since the averaging is reducing the maxima.

$$10\,\mu\mathrm{m\,s^{-1}} \approx 4.3507\,\mathrm{mV\,s^{-1}} \implies 2.2985\,\mu\mathrm{m\,mV^{-1}}$$

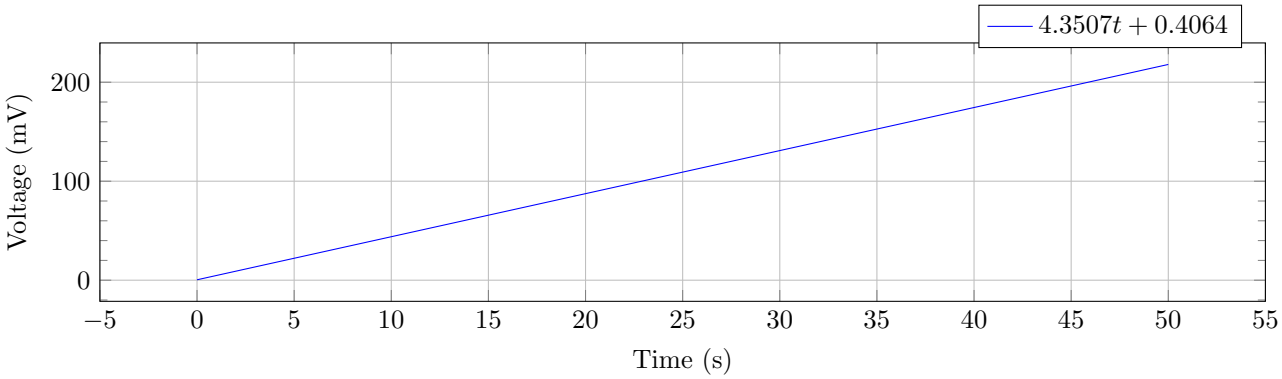

Figure 3: Instron moving a rate of $10\,\mu\mathrm{m\,s^{-1}}$ over $50\,\mathrm{s}$ resulted in this motion.