

KAWAKATSU LAB.

[Coupling to the Nano Regime]



Centre for Interdisciplinary Research on Micro-Nano Methods (CIRMM)
Applied Scientific Instruments

Precision Engineering Department

<http://www.inventio.iis.u-tokyo.ac.jp>

Coupling to the Nano Regime

(1) Our chief interest lies in mechanical interactions in the atomic to the nano regime. We work on imaging mechanisms and novel detection techniques. We are also looking into possible application to mechanical bio-sensing.

(2) We welcome young students and interns from all over the world.

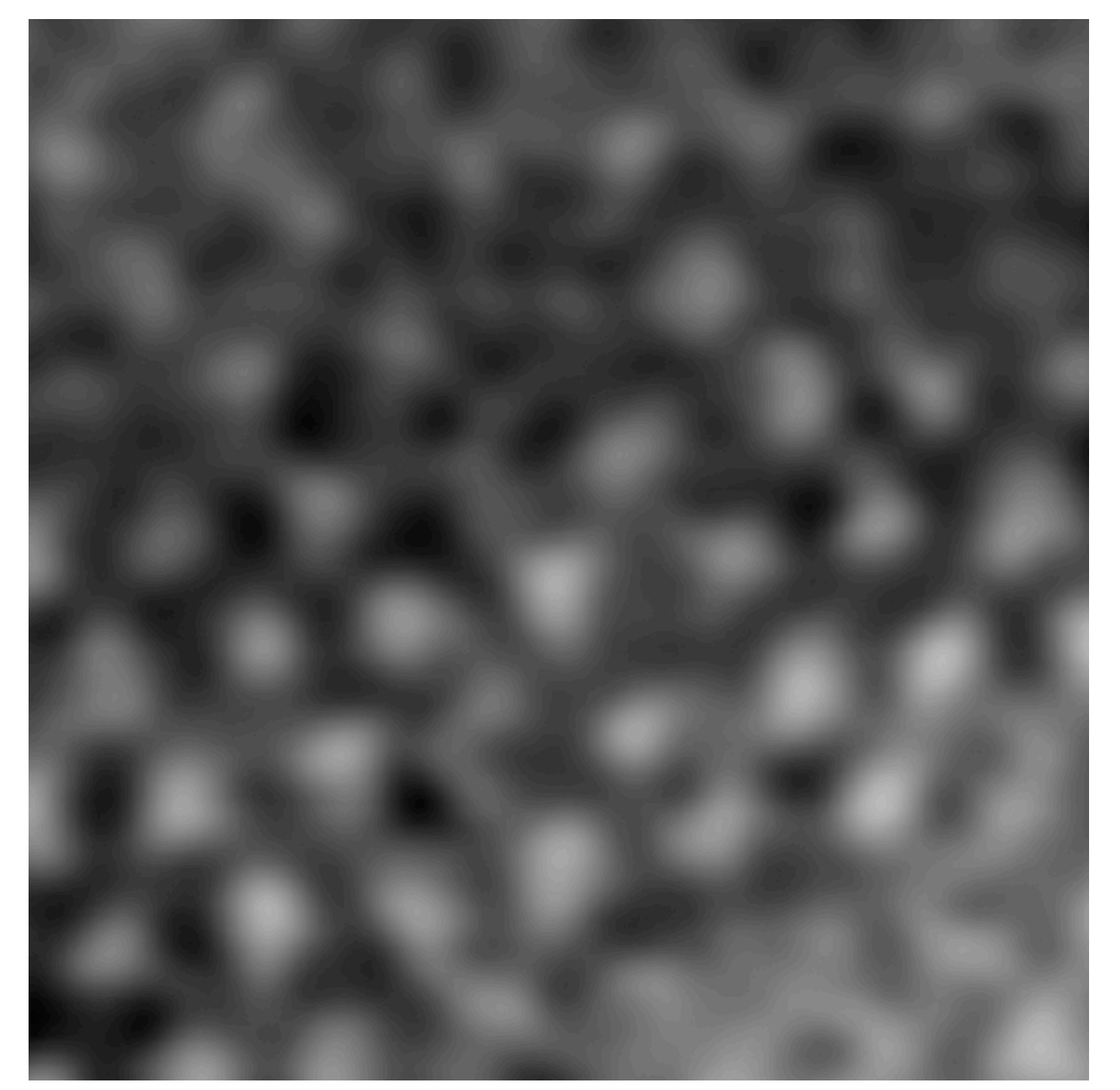
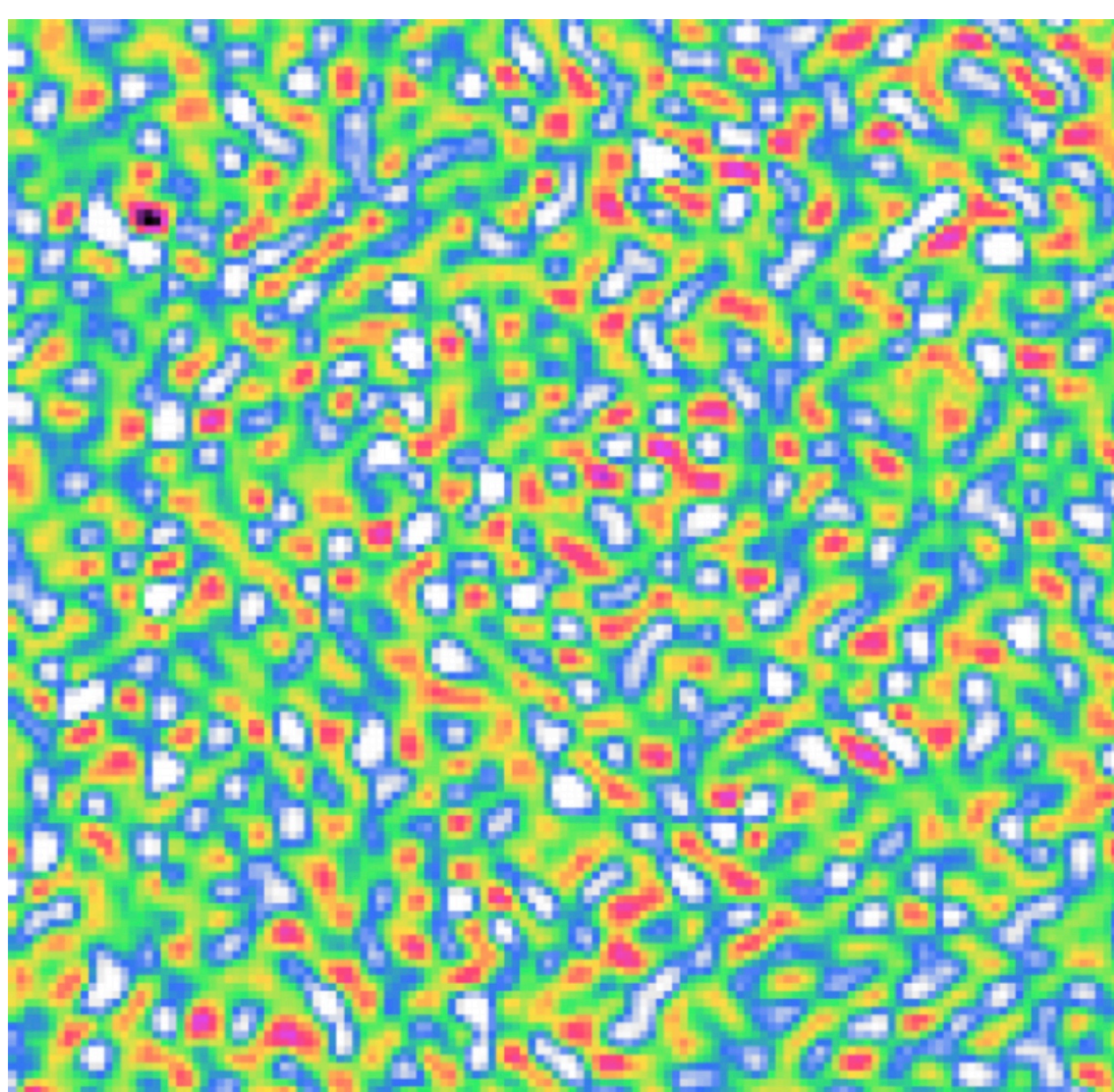


Fig1. Chemical contrast AFM Fig.2 UHV TEM AFM

Fig.3 Liquid AFM

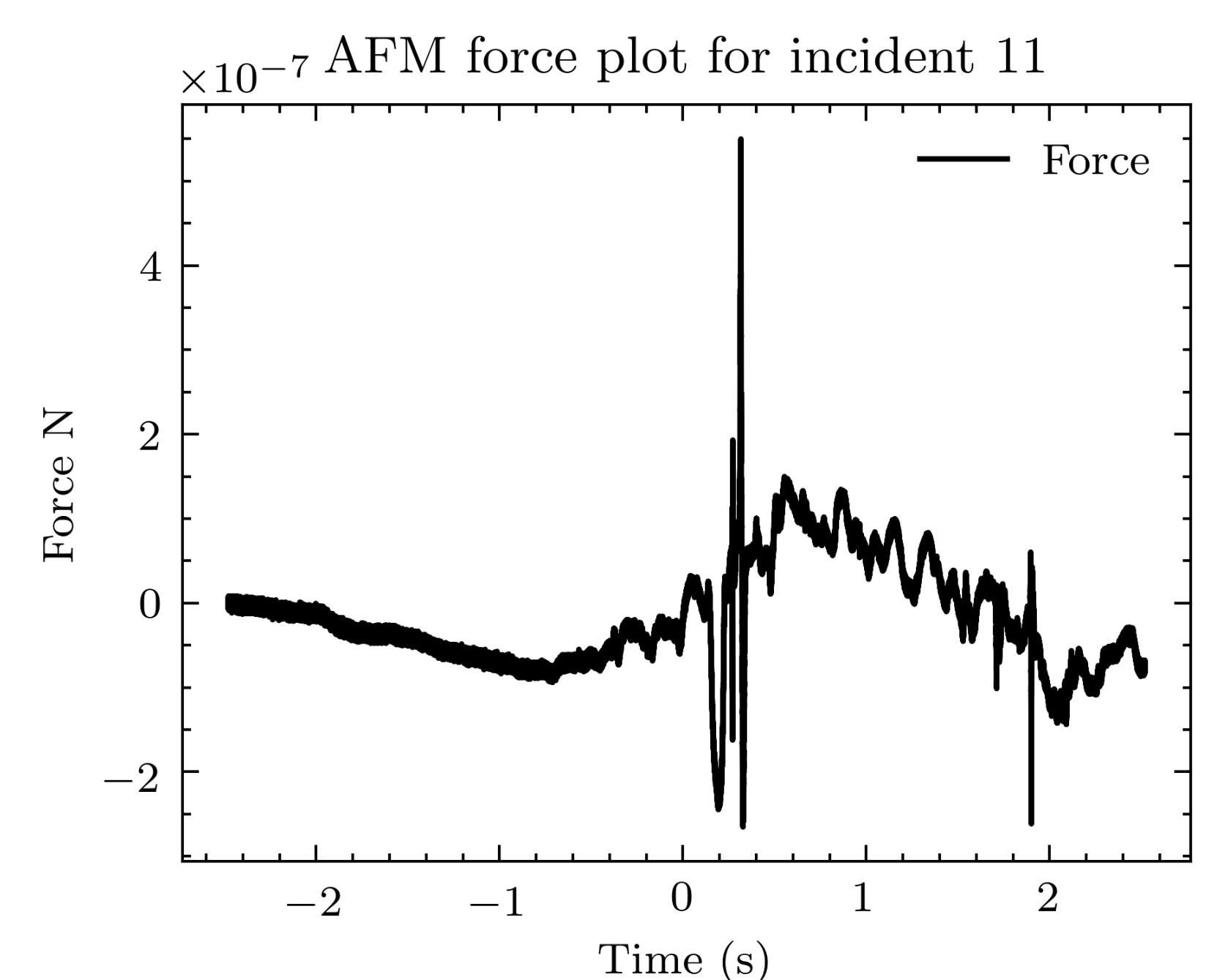
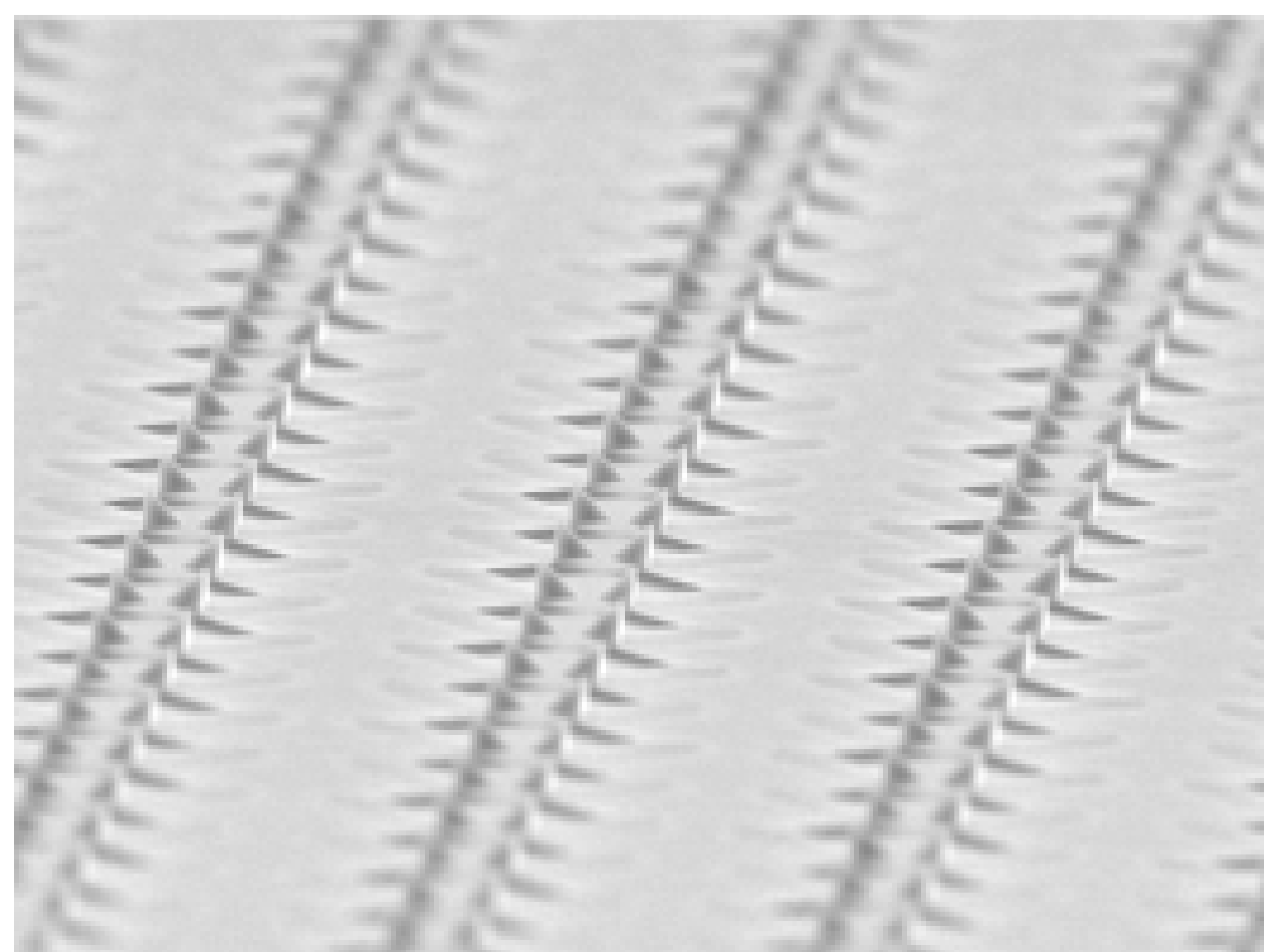
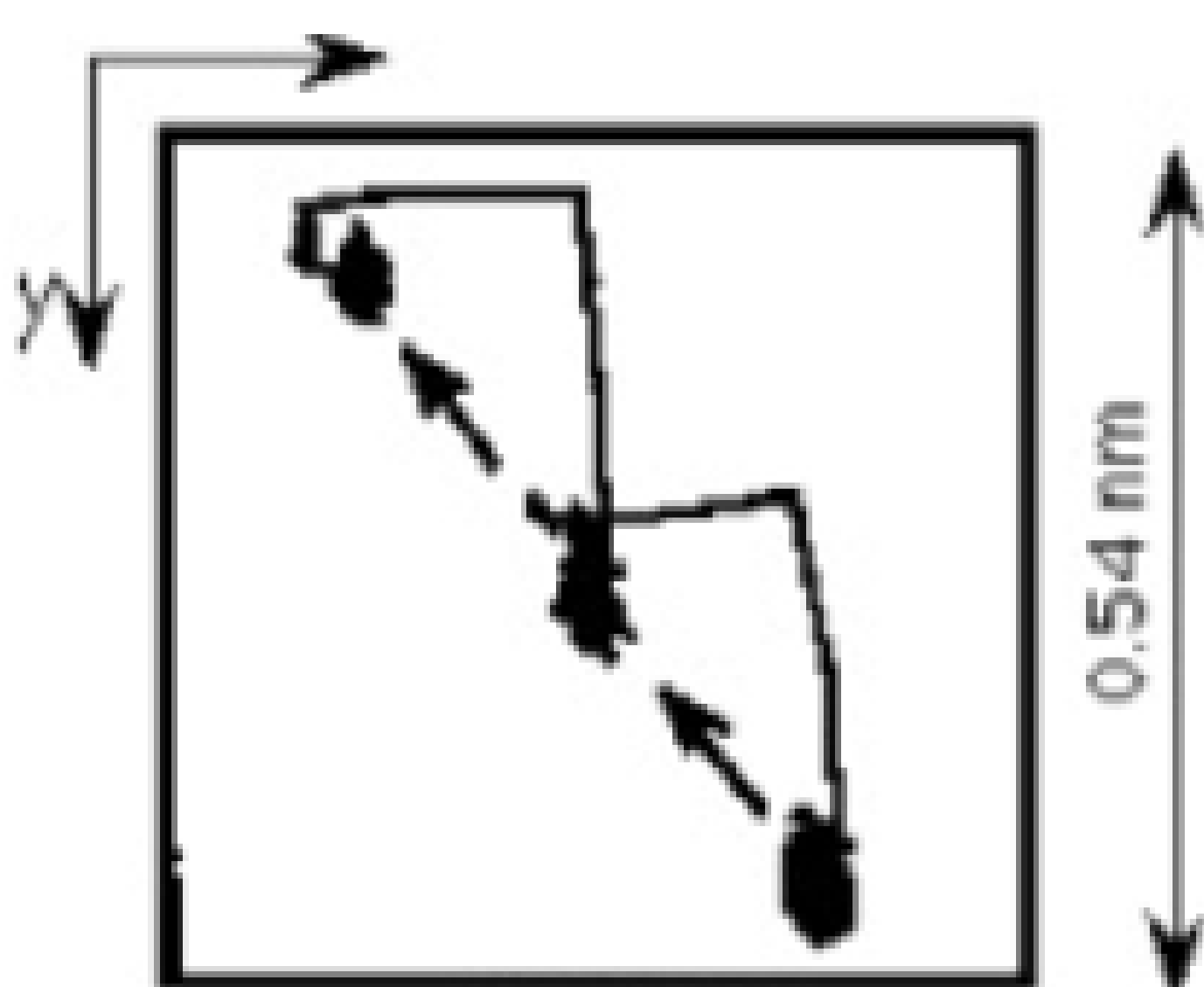


Fig4. Atomic Stepper

Fig.5 Millions of Cantilevers Fig.6 Swimming vibration