

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.

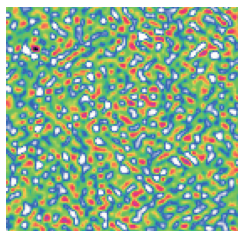


Fig1. Chemical contrast AFM



Fig.2 UHV TEM AFM



Fig.3 Liquid AFM



Fig4. Atomic Stepper

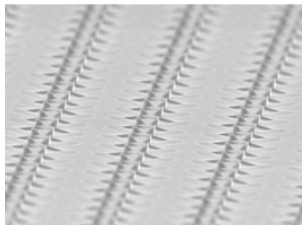


Fig.5 Millions of Cantilevers

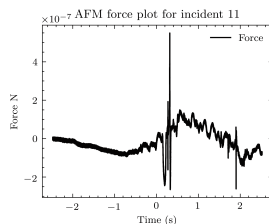


Fig.6 Swimming vibration