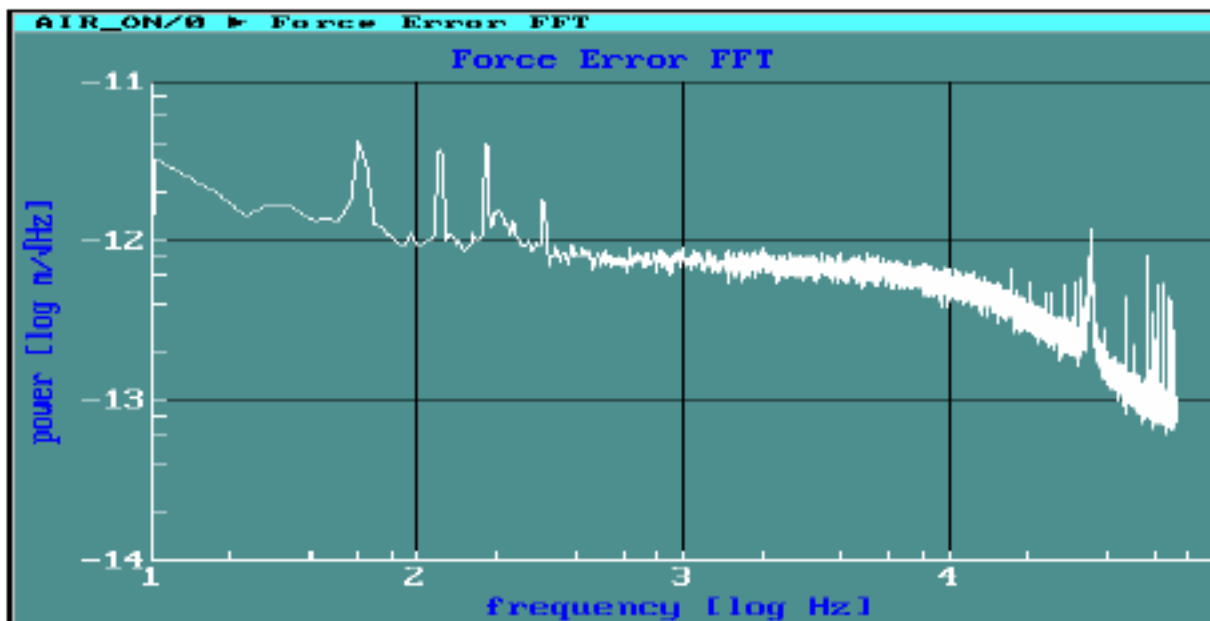
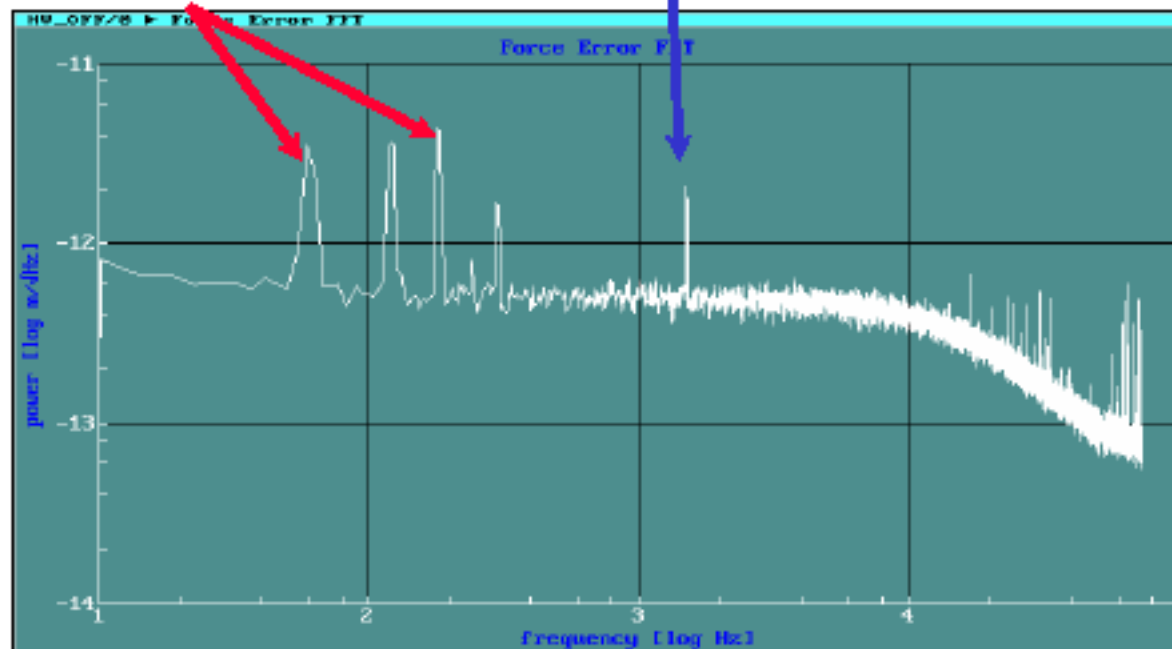


AFM Transducer Noise

60 Hz Noise

turbo, 1.51 kHz

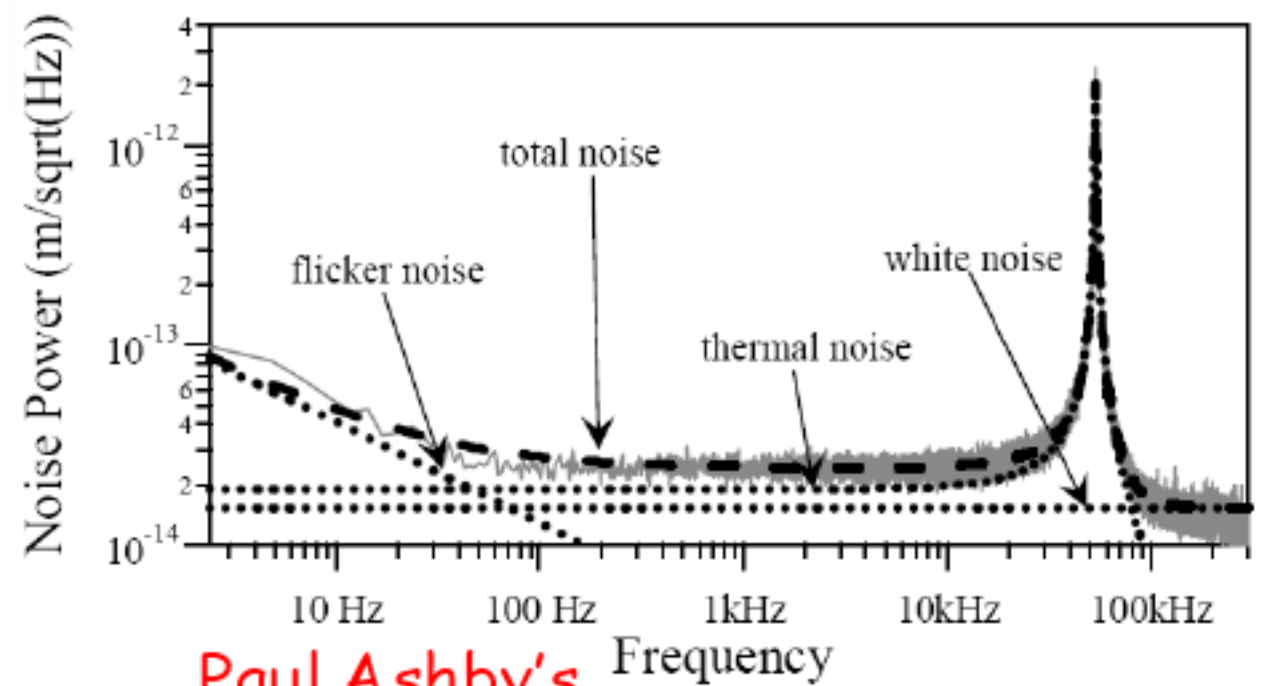
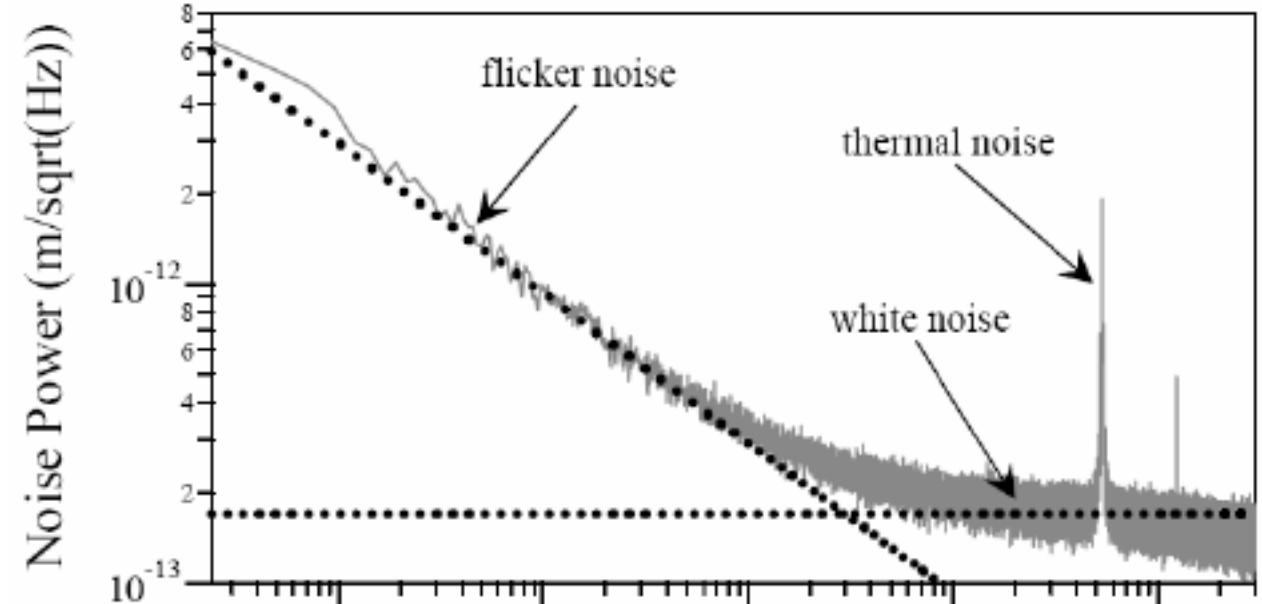


LBL AFM 1990's

Integrated noise 0.5 \AA rms, 2.5 p-p

0-500 Hz noise 0.15 \AA rms, .75 p-p

Modern Commercial System



Paul Ashby's
optimized system

Coupling to Environment

