A linear actuator system with 1-angstrom closed-loop control resolution and 50-millimeter travel range

Deming Shu, Yufeng Han, Thomas S. Toellner, and Esen E. Alp

*Advanced Photon Source, Argonne National Laboratory,*

*Argonne, Illinois 60439, U.S.A.*

Acknowledgment

*Advanced Photon Source, Argonne National Laboratory*

S. Lee, C. Preissner, D. Mocher, R. Ranay, M. Muscia, A. Myman

*Optodyne Inc. California, U.S.A.*

C. Wang

This work was supported by the U.S. Department of Energy, Office of Science, under Contract No. W-31-109-Eng-38.

July 8, 2002

OPTOMECHANICS 2002, SPIE
One-dimensional Laser Doppler Linear Actuator Design

Setup for Large Field Atomic Probe Microscope Test with LDLA