

Abstract Submitted  
for the MAR07 Meeting of  
The American Physical Society

**Phase-Locking of Two Laser Diodes to Femtosecond Frequency Comb for frequency standard of THz radiation** CHAO-KUEI LEE, C.Y. KOU, CHIH-YU WANG, IEO, NSYSU, TZE-AN LIU, JIN-LONG PENG, Industrial Technology Research Institute, Center for Measurement Standards, IEO, NSYSU TEAM, INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, CENTER FOR MEASUREMENT STANDARDS TEAM — In this work, we demonstrated the depressed beat signal linewidth of 100 kHz, and generated frequency-tunable terahertz radiation with tuning ranges from 0.2 THz to 1.24 THz from two external-cavity diode lasers.

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Date submitted: 21 Nov 2006

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