

Abstract Submitted  
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**Graphene Membrane Mechanics** QIN ZHOU, A. ZETTL, Department of Physics, University of California at Berkeley; Materials Sciences Division, Lawrence Berkeley National Laboratory — Graphene has extremely low mass density and high mechanical strength, useful qualities for mechanically vibrating systems. Here we report on construction and testing of graphene-based vibrating drumheads. We explore frequency response and damping characteristics, and energy transduction.

Qin Zhou  
Department of Physics, University of California at Berkeley;  
Materials Sciences Division, Lawrence Berkeley National Laboratory

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