

Abstract Submitted
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High Frequency Electrical Properties of Carbon Nanotubes¹ DOBROMIR KAMBUROV, BETH PARKS, Colgate University, ZHAOHUI ZHONG, PAUL MCEUEN, Cornell University — We report on measurements of the high frequency electrical properties of single-walled carbon nanotubes. These measurements are accomplished by incorporating a single nanotube into a microwave stripline and using optical pulses from a femtosecond laser to create short electrical pulses on the stripline. By varying the time delay between the pulses, it is possible to determine the frequency dependence of the response of the nanotube.

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