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Title:Antenna resonances in terahertz photoconductivity of single wall carbon nanotube fibers

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Abstract:Electromagnetic properties of single wall carbon nanotube (SWCNT) film on the surface of silica fibers have been studied numerically and experimentally. Optical properties of SWCNT layers are strongly influenced by the interference effects and antenna resonances in SWCNTs. Experimentally, the antenna resonances have been verified with low temperature photoconductivity measurements in terahertz range. © 2012 Elsevier B.V.

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