Abstract Submitted
for the MAR06 Meeting of
The American Physical Society

Defects in single and double wall carbon nanotubes[1] JIAN-MIN ZUO, T.K. KIM, Dept. Mat. Sci. Eng., University of Illinois, Urbana — We show that single and double wall carbon nanotubes grown by catalytic chemical vapor deposition can change its chirality and create junctions along the tube direction. These tubes often appear straight (perfect) in electron images. The change in structure is often subtle and only detectable by electron diffraction. The experimental evidence of defects, structure determination and consequence on tube transport properties will be presented and discussed.

[1]Support by DOE DEFG02-01ER45923

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Date submitted: 12 Jan 2006 Electronic form version 1.4