

**On Lifetime Distribution for Hydrogen Atoms  
Encaged in Single-wall Closed Carbon  
Nanotube**

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The computer simulation of H<sub>2</sub> molecules penetration into nanotube is considered. The molecular beam is supposed to be isotropic one. The several equations of particle motion were solved numerically by use high-speed computer. The interatomic forces were supposed to be defined from combined potential. The lifetime distribution of encaged hydrogen atoms is discussed.