

Computational Microelectronics Report (Homework #11)

Professor: Hong, Sung-Min

Major: Electrical Engineering and Computer Science

Student Number: 20181018

Student Name: Jang, Mi

Submission Date: 2018.11.19



- **Introduction**

Elastic scattering만을 고려한 1D-BTE 를 계산해보았다.

H factor: 0.001~0.1 eV

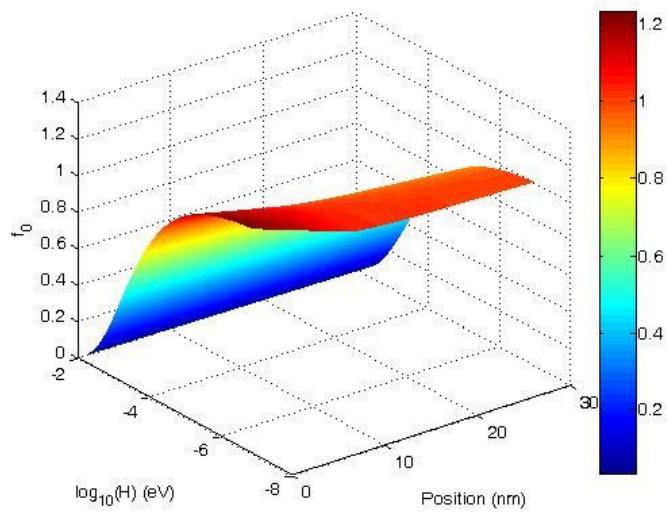
VD: 0.1 V

Relaxation time: 0.1 ps

Effective mass: $0.8 \cdot m_0$;

- **Results**

1. **f_0 variation as function of H(energy) and x-Position**



1. **f_1 variation as function of H(energy) and x-Position**

