

Distribution function

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Introduction

We calculated distribution function $f_0(x, H)$ and $f_1(x, H)$ with simplified BTE. We consider our system as graphite so we set parameter that we used for the calculation as follows,

τ : 10^{-12} s

v : 10^6 m/s

x : 0 to 30 nm

H : 0.001 to 0.1 eV

Result

The result are follows.

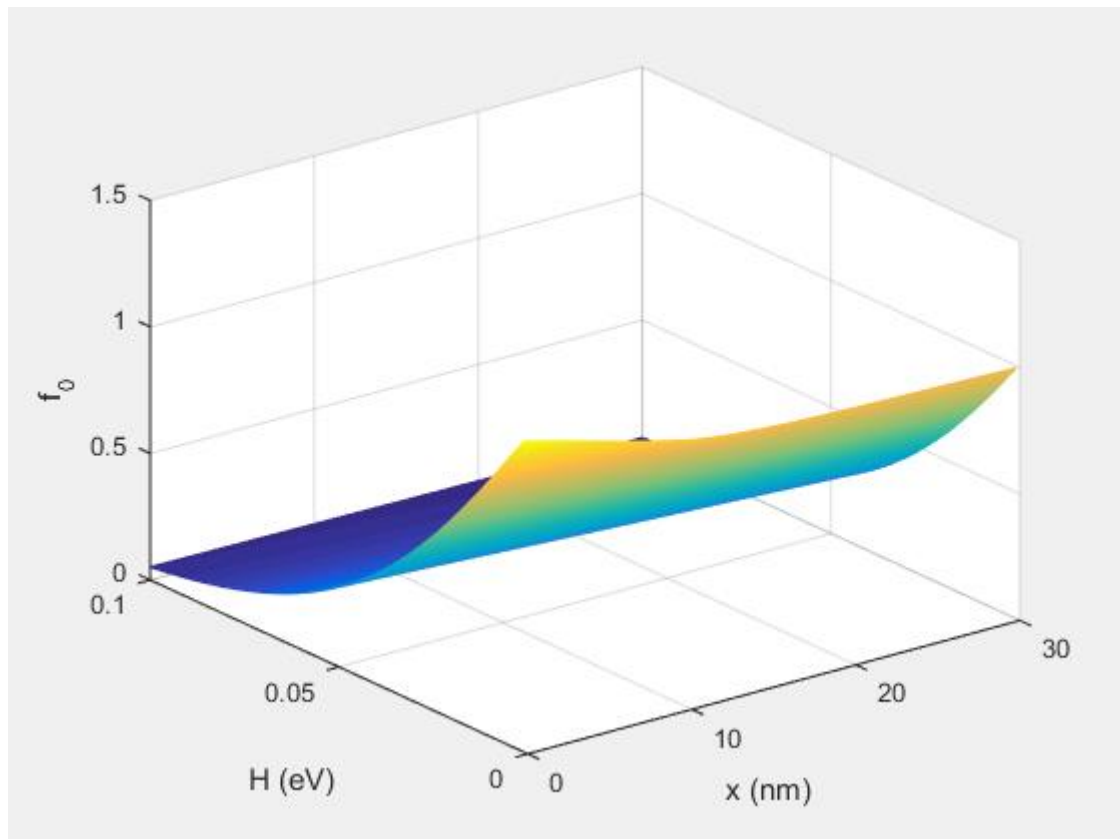


Figure 1. f_0 calculated from BTE

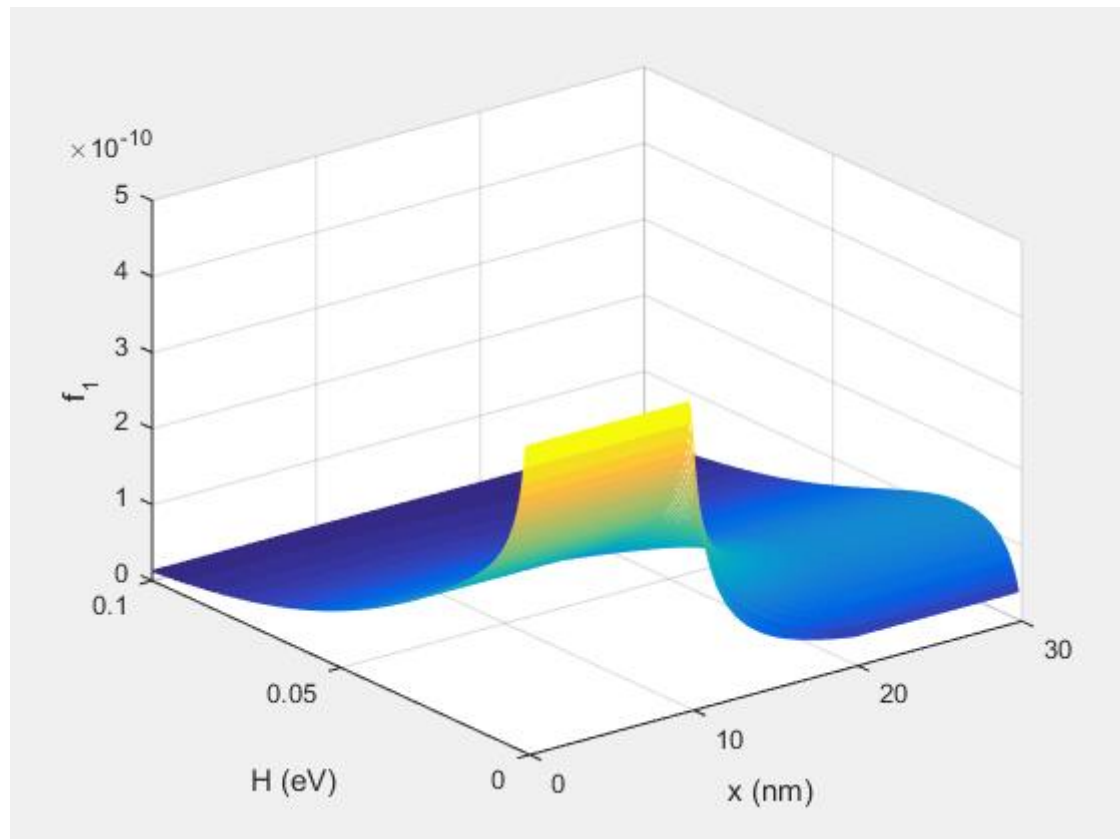


Figure 2. f_1 calculated from BTE