

Title of the Document

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1 Fermi Distribution

1.1 Function

The Fermi-Dirac Distribution can be written as,

$$f(E) = \frac{1}{e^{\left(\frac{E-E_F}{k_B T}\right)} + 1}$$

where E_F is the Fermi energy level, E is one of the energy levels of the system, k_B is the Boltzmann constant and T is the absolute temperature.

1.2 Plot