

# An Introduction to the Theory of the Boltzman Equation

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## 1 Chapter 1. Statistical Mechanical Preliminaries

### 1.1 Problem 1-1

*The canonical distribution function of equilibrium statistical mechanics is  $F_N = A \cdot e^{-\beta H}$ , where  $A$  and  $\beta$  are constants and  $H$  is the Hamiltonian of the system being described. Determine the constants  $A$  in terms of  $\beta$  and  $H$ .*

I don't know!!!