

# Helium 4

## $f(\mu/k_B T)$ Function

```
f[x_] := Sum[ Exp[p*x] / p^(3/2), {p, 1, 10000}]
```

```
In[5]:= f[0] // N
```

```
Out[5]= 2.59238
```

$$f(\mu/k_B T) \equiv \sum_{p=1}^{\infty} \frac{e^{p\mu/k_B T}}{p^{3/2}}$$

