

(31)

1.4.17

$$\Sigma(N, V, E) \approx \left(\frac{V}{h^3}\right)^N \frac{(2\pi m E)^{\frac{3N}{2}}}{\left(\frac{3N}{2}\right)!}$$

]

1.4.17a)

$$\Gamma(N, V, E) \left[\approx \frac{\partial \Sigma(N, V, E)}{\partial E} \cdot \Delta \right] \approx \frac{3N}{2} \frac{\Delta}{E} \Sigma(N, V, E) = \left[\frac{3N}{2} \right] \left[\frac{\Delta}{E} \right] \left[\left(\frac{V}{h^3}\right)^N \frac{(2\pi m E)^{\frac{3N}{2}}}{\left(\frac{3N}{2}\right)!} \right]$$

$$\left[\frac{\Delta}{E} \cdot V^N \frac{(2\pi m E)^{\frac{3N}{2}}}{\left(\frac{3N}{2}\right)!} \right] \times \left(\frac{1}{h^{3N}} \right)$$