1. 
$$2j = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} \frac{e^{x}}{(e^{x}+1)^{2}}$$
 $e^{x}$ 
 $e^{x}$ 

for j=200, use 
$$\Gamma(2) = \int_0^b \frac{dx}{x} \chi^2 e^{-x}$$

$$\frac{1}{2} \ln 2 \int_0^b \chi^{20} \frac{e^{-x}}{(e^{-x} + 1)^2} = 2 \int_0^b \chi^{20} \frac{e^{-x}}{(e^{-x} + 1)^2}$$
and  $\frac{e^{-x}}{(e^{-x} + 1)^2} = \frac{1}{2} \int_0^b \chi^{20} \frac{e^{-x}}{(e^{-x} + 1)^2} = \frac{1$ 

and 
$$\frac{1}{(He^{-y})^2} = \frac{1}{m-1} \frac{m(-1)^{m-1}}{m-1} e^{-(m-1)x}$$
  
 $\frac{1}{2m} = \frac{1}{2} \frac{m(-1)^{m-1}}{m-1} = \frac{1}{2} \frac{(2n)!(1-2m+3m-...)}{m-1}$ 

YEAR the Rioman 
$$\frac{1}{2}$$
 eta function
$$12n = \frac{1}{2}(2n)! \left(1 - \frac{2}{2n}\right) = \frac{1}{2}(2n) = \frac{1}{2}$$

be is the bornoull's numbers

$$\sum_{i} N = \int_{0}^{10} d\xi \, N(\xi) \, f(\xi) \, , \, N = \frac{N}{V}$$

$$\therefore N \, N \, \int_{0}^{10} d\xi \, N(\xi) \, d\xi \, N(\xi)$$

$$\int_{0}^{N} dt N(t) = \frac{1}{3} \nu N(\nu), N(t) = \frac{1}{2} \frac{N(\nu)}{\nu}$$

$$\lim_{N \to \infty} \frac{1}{2} \nu N(\nu) \left( 1 + \frac{3}{2} \frac{\lambda^{2}}{2} \left( \frac{\mu_{\text{MI}}}{2} \right)^{2} \right)$$