Classmate

Date
Page

Your Co e 2th

J + 1 (x) 4 = 1

 $= \frac{2}{Co} \int_{e}^{2\pi w} \frac{2\pi w^{2}}{dx} = 1$ 

gaussian integral.

 $C_0 = \left(\frac{m w}{\pi h}\right)$ 

$$\Delta x = \int \langle x^2 \rangle - \langle x^2 \rangle^2$$

$$\Rightarrow \langle y^{\alpha} | x^{2} | y \rangle$$

$$= \langle y^{\alpha} | x^{2} | y \rangle$$

$$\Rightarrow u sing gamma function,$$

$$\Delta x = \int \frac{1}{2m\omega} - o^{2}$$

$$= \int \frac{1}{2m\omega} dx$$

$$\Rightarrow \rho = \int \frac{1}{2m\omega} dx$$

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