$$J = \int_{0}^{+\infty} t e^{-t |a^{2}|} dt = -a^{2} t e^{-t |a^{2}|} \Big|_{0}^{+\infty} + a^{2} \int_{0}^{+\infty} e^{-t |a^{2}|} dt$$

$$= -a^{4} e^{-t |a^{2}|} \Big|_{0}^{+\infty} = a^{4}$$

\$ e=2mv2. > Fe= ; m Ev2

数 
$$Ze = \sum_{n} m \int_{\infty}^{t_{\infty}} x^{2} p(n) dx = \sum_{n} m \int_{0}^{t_{\infty}} \frac{4x^{4}}{a^{3} f_{x}} e^{-x^{2} a^{2}} dx = \sum_{n} m \int_{0}^{t_{\infty}} x^{2} p(n) dx = \sum_{n} m \int_{0}^{t_{\infty}} \frac{4x^{4}}{a^{3} f_{x}} e^{-x^{2} a^{2}} dx$$

$$= \frac{2m}{a^{3} f_{x}} x^{2} a^{6} = \frac{4}{5} m a^{3}$$

$$E \sharp ( \sharp + \eta ) = \alpha$$

$$E \sharp - \eta | = \int_{-\infty}^{+\infty} |x| \, \overline{\chi} \, \overline{\chi} \, e^{-\frac{x^2}{40^2}} \, dx = \int_{-\infty}^{+\infty} \overline{\chi} \, e^{-\frac{x^2}{40^2}} \, dx = \int_{-\infty}^{+\infty} \left( -x^2 e^{-\frac{x^2}{40^2}} \right) \, dx = \int_{-\infty}^{+\infty} \left( -x^2 e^{-\frac{x^2}{40^2}} \right$$

## 11.记业的为有效因的抽火张卡的多码和。