$$F(x,y) = (x^{2}, ye^{x}), \quad \sigma(t) = (t^{2}+1, t)$$

$$t \in [0,1]$$

$$T(t) = (2t, t)$$

$$F(\sigma(t)) = (2t, t)$$

$$T(t) = (t^{2}+1)^{2}, \quad te^{t^{2}+1}$$

$$T(t) = (t^{2}+1)^{2}, \quad te^$$

$$(41) F(x,y,z) = (x-y^2,y-z^2,z-x^2)\sigma(t) = (2t,t,1-t)$$

$$t \in [0,1]$$

 $=\frac{1}{3}+\frac{2}{9}-\frac{e}{9}$

 $\frac{dz}{du} = \frac{\sqrt{17}}{9} \cdot \text{sec}^2 u$

$$= \int_{0}^{\infty} \sqrt{17} \operatorname{nec} \, M \cdot \sqrt{\frac{17}{17}} \operatorname{nec} \, M \, dM = \frac{17}{2} \int_{0}^{\infty} \sqrt{\frac{17}{17}} \, dM = \frac{17}{2} \int_{0}^{\infty} \sqrt{\frac{17}{17}} \operatorname{nec} \, M \, dM = \frac{17}{2} \int_{0}^{\infty} \sqrt{\frac{17}{17}} \, dM = \frac{17}{2} \int_{0}^{\infty} \sqrt{$$