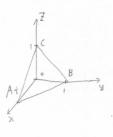
(1)
$$\triangle OBC = \frac{1}{2}$$
, $\triangle OAC = \triangle OAB = \frac{1}{2}t$

$$\triangle ABC = \frac{1}{2} \sqrt{|AB|^2 |AC|^2 - (AB-AC)^2}$$

$$= \frac{1}{2} \sqrt{(t^2+1)^2 - t^4}$$

$$= \frac{1}{2} \sqrt{2t^2+1}$$



$$f(t) = 8\pi \frac{t^3}{t} = 8\pi \frac{t^2}{(1+2t+\sqrt{2t^2+1})^3}$$

9(t)= |+2t+ |2t+1 | 2TX & 9(t)= 2+ 4t 7:

$$\frac{f(t)}{\varepsilon \pi} = \frac{2 \pm (g(t))^3 - f^2 \cdot 3 (g(t))^2 \cdot g'(t)}{(g(t))^6}$$

$$= \frac{t}{(g(t))^6} \left[2g(t) - 3 \pm g'(t) \right]$$

$$h(t) = 2(1+2t+2t+1)-3t(2+\frac{2t}{12t+1})$$

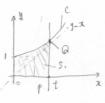
$$= 2-2t+2t+1$$

$$f(1) = \frac{5\pi}{(3+|\overline{3}|^3} = \frac{18-10|\overline{3}|}{9}$$

[解] S=smOx.C=c=0,K=tun0とtx.0≤0<不/2で、ス=tun0は非負をおち

$$0 |\chi^2 = \frac{1-c^2}{c^2} = |c^2 - | = |y^2 - |$$

的图片起的。OCI, 1=97. 抗柳阳



$$S_2 = \frac{1}{2} t \left[\frac{1}{1} + 1 \right]$$

(2) S1-S2= 1 log(t+ | f2+1) tobis

$$(ff) = \frac{1}{2} \frac{|e_{3}(f+f_{1})|}{|e_{3}f|}$$

$$= \frac{1}{2} \frac{|e_{3}f+|e_{3}f|}{|e_{3}f|} (|f|f_{1})$$