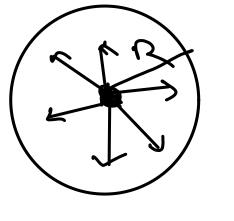
Volume integral

some integral: 1000

Fundamental H:

56. Ed = 56 (E.E) !

13.22 = flux.



 $\frac{1}{\sqrt{2}} = \sqrt{2}$   $\sqrt{2} = \sqrt$ Line integral Along D dr 2 生、92= ~ 9~  $\int_{-\infty}^{\infty} x^2 dx = \int_{-\infty}^{\infty} x^3 dx = \frac{8}{3}$ (I) = 3y i F. 27 = 32 x 2y  $13\pi dy = \frac{1}{3}23^2 dy = \frac{3}{3}\frac{1}{1} = \frac{16}{3}$ 

 $\frac{24}{3} = \frac{8}{3}$  $(T) \leftarrow (T)$ 8= 2x 97 = 590 2 x 2 4 dy 3 x2 dx + 72x dy £. 21 = ( 2 gr + 2 gr gg) = ((x2 dn + x3 dn)  $=\frac{\sqrt{2-x'}}{\sqrt{2-x'}}$  $=\frac{x^3}{3}\left[\frac{2}{3}+\frac{x^4}{4}\right]$  $=\frac{8}{3}+\frac{16}{4}$ = 3 + 4

Surface integral Or the surface of a sphere, 12 = 7 pg 9 pg -4666 frior =  $\frac{7}{E} = \frac{A}{\sqrt{2}} \left( \frac{7}{2} \right)$ JE. 25 = 1 A2 ~20ind 20 24 ラーマンマナックトックを発 かる。= マタタネが (メニリ) 2003 = dr dy x (x=1)

dag = - da dy & (7=0) \$7. da 125 = -drdr g (y=0) = JA. La, + JA. La. (1=6) 8 x6x6 = 325 + JA. 25. + JF. 25. 七 J A . dag 4 J A . dag - 2 / 28 / 27  $\int A. dz, = \int x^2 dy dx$ JA. das = -1 82 2 2 2 2 2 795= 3979797 (かる、とで = ) (マ、あ) とで) ちない。 Br + mb= + ms = 7.7

$$= \frac{2x + 52x + 32}{2} + \frac{22}{2} (3x) + \frac{22$$