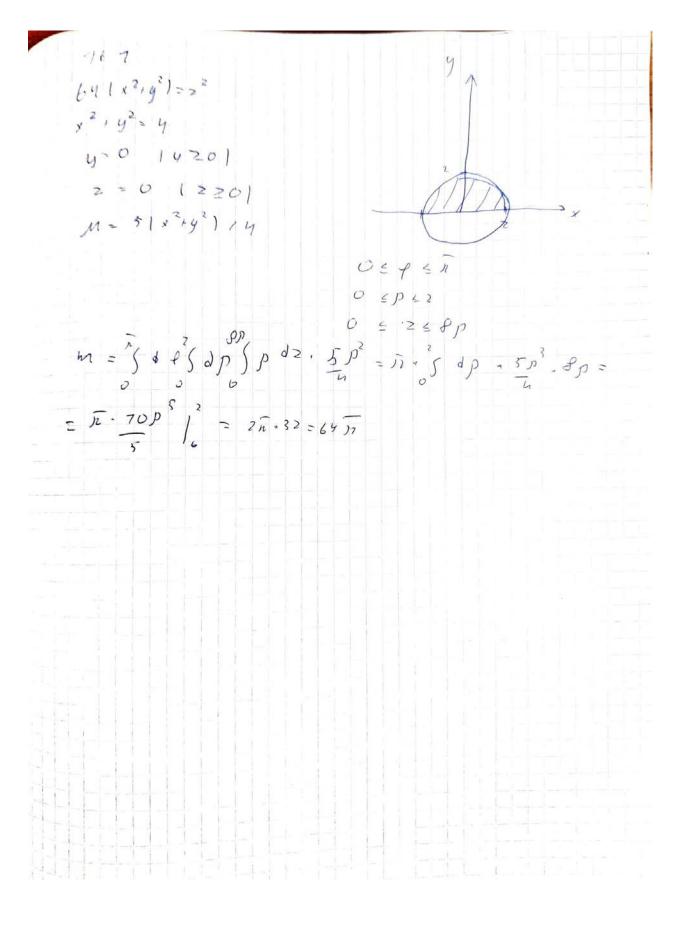


1 5 - 51 m 3 2 4 1 3 5 1 5 - 5143 2 4 - 5 (052 4 + + 1052 / +5ini2 +1 df = 32 1 5 1 1 - 7 5 (7-1054 Pldp - 5.7. sin2 + 10 + 7 1 sin2 = + d | sin > 1] = 7 [3 + 10 - = 110 + 7 - 7 sin 41 1 - 5 sin 29 10 + 7 sin 3 2 1 = 7 1 = 1 - 7 1] = 1 27 $5x^{2}+2$; y=7; $z=3y^{2}-7x^{2}-2$; z= $-\int dx \left(\frac{3}{3}y^{2} - 3y^{2} - 3y^{2} + 3x^{2}r^{3} \right) =$ $= \int_{0}^{1} dx \left(3 dy - 3 \int_{0}^{1} dx \left(7 - 5x^{2} - 2 \right) \right) =$ $= 3 \left[|5 - 5x^{2}| dx = 75 \right] \left(|7 - x^{2}| dx = 75 \cdot (|x - x^{\frac{3}{3}}|) \right]^{\frac{7}{3}} =$ = 75, (7-7 + 7-7) = 75.4 = 20

22197-9=0 $\beta = \frac{97}{4} + 36 = \frac{725}{4}$ $2 = -\frac{9}{2} \pm \frac{75}{2}$, 2n = -6; $2n = \frac{3}{2}$ 2 = 2 2 20, mo & Z = 2 U $x^{2}+y^{2}=\frac{y}{3}\frac{3}{3}=\frac{27}{19}$ $y=\int_{2\pi}^{2\pi}\int$ $= -9.72 - 243 + 864 - 211 = -708 - 243 + 864 = \frac{573}{48} = \frac{573}{48} = \frac{179}{16}$

= 2-721 , 2, 192/ V = 55 12 - 2 - 1 d x dy, 200 $V = \{\{(2 - 72(x^2, y^2) - 24y - 21d\} = -72 \{\{(x^2, y^2) + 2x\} d\}$ riegreing to neight, noons x -- 7 + D103 0 $y - p \sin \theta$ $V = -72 \int_{2\pi}^{7} dp \int_{2\pi}^{7} (1-2+p) \cos \theta - 2p(\cos \theta + p^{2}) + 71 \int_{2\pi}^{7} d\theta = -72 \int_{2\pi}^{7} dp \int_{2\pi}^{7} (p^{2}-7) \int_{2\pi}^{7} d\theta = -24 \int_{2\pi}^{7} \theta \int_{2\pi}^{7} (p^{2}-7) \int_{2\pi}^{7} d\theta = -24 \int_{2\pi}^{7}$ 1 2 - 57 1 3 = 65

£x2+y2,2 = 49 $\sqrt{\frac{1^{2} \cdot y^{2}}{3^{5}}} \le 2 \le \sqrt{\frac{1^{2} \cdot y^{2}}{3}}$ igegnir. incm. nogg X = h 105 f 103 Q 4= usin 4 105 D Z= Nsin B in orga mero cy $-\frac{n\cos\theta}{535} \leq n\sin\theta \leq \frac{n\cos\theta}{53} \Rightarrow \sqrt{-\frac{7}{535}} \leq \log\theta \leq \frac{7}{53} \Rightarrow \sqrt{-\frac{7}{535}} \leq \log\theta \leq \frac{7}{53} \Rightarrow \sqrt{-\frac{7}{535}} \leq \log\theta \leq \frac{7}{535} \Rightarrow$ - n105 4 105 0 = nsin 1 1050 40 $\begin{array}{c}
7 \le n \le 7 \\
-\alpha n (1-9) \frac{1}{535} \ge 0 \le \alpha n (1-9) \frac{1}{53} \\
-\frac{\lambda}{4} \ge 9 \le 0
\end{array}$ It n'1050 $V = \begin{cases} 4 & 9 \\ 3 & 0 \\ 4 & 10 \\ 6 & 10 \\ 6 & 0 \end{cases} = \frac{h}{h} (5inh - 5ina) (343 - 7) = \frac{57h}{2} (5inh - 5inh) (343 - 7) = \frac{57h}{2} (5inh - 5inh) (343 - 7) = \frac{57h}{2} (5inh - 5inh) (343 - 7) = \frac{57h}{2} (5inh$ $\sin b = \sqrt{\frac{4g^2b}{4g^2h^2}} = \frac{7}{6}$



$$\frac{1}{\sqrt{3}} \frac{1}{\sqrt{3}} \frac{1}{\sqrt{3$$

$$\frac{1}{2} \left\{ \begin{array}{c} \frac{\chi^{3} + \sqrt{2} + 2V + 1}{\chi^{2} + v + 1} \, d \, \chi \right\} = \int \left[\frac{y + 7}{\chi^{2} + v + 7} \, d \, \chi \right] \, dy$$

$$\frac{(y + 7)}{(\chi^{2} + v + 7)} \, d \, \chi = \int \frac{(y + 7)}{(\chi^{2} + v + 7)} \, dx$$

$$\frac{1}{2} \left\{ \frac{2v + 7}{v^{2} + v + 7} \, dx + \int \frac{7}{21 v^{2} + v + 7} \, dx$$

$$\frac{1}{2} \left\{ \frac{2v + 7}{v^{2} + v + 7} \, dx + \int \frac{7}{21 v^{2} + v + 7} \, dx$$

$$\frac{1}{2} \left\{ \frac{2v + 7}{v^{2} + v + 7} \, dx + \int \frac{7}{21 v^{2} + v + 7} \, dx$$

$$\frac{1}{2} \left\{ \frac{7}{2(v^{2} + v + 7)} \, dx + \int \frac{7}{21 v^{2} + v + 7} \, dx$$

$$\frac{1}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{21 v^{2} + v + 7} \, dx$$

$$\frac{1}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{21 v^{2} + v + 7} \, dy \right\} = \frac{7}{2} \left\{ \frac{7}{(v + \frac{7}{2})^{2} + \frac{7}{2}} \, dy$$

$$\frac{1}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{1}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

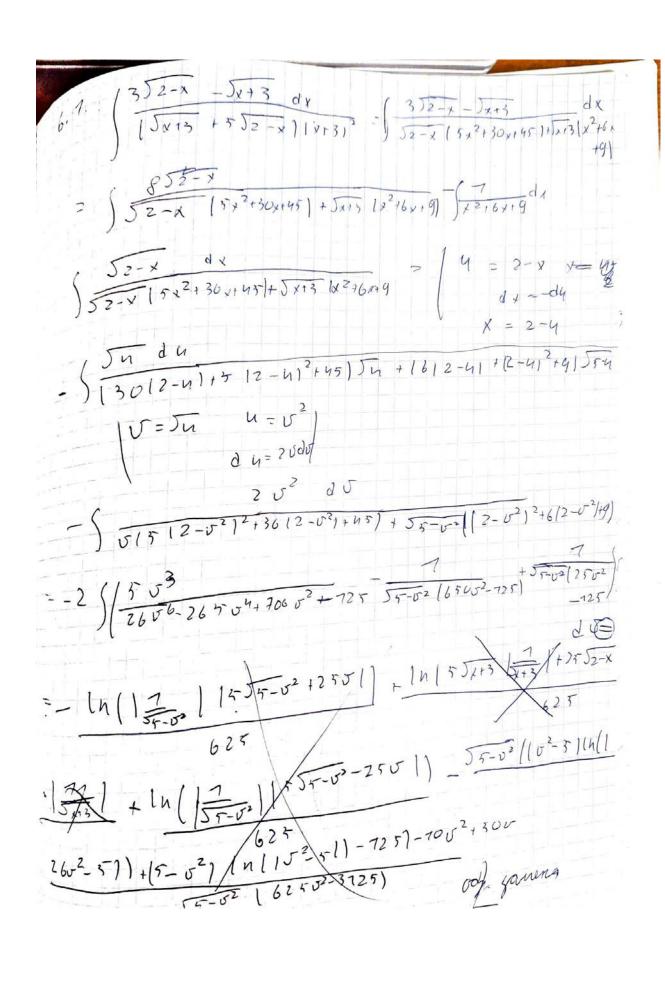
$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7}{2} \left\{ \frac{7}{2^{2} + v + 7} \, dx + \int \frac{7}{2^{2} + v + 7} \, dx$$

$$\frac{7$$

u.1. y 3 + 6 x 2 + 7 4 x + 2 0 x $\frac{(3+6)^{2}+741+2}{(3+2)^{2}(1+2+4)} = \frac{A}{1+2} + \frac{B}{(1+2)^{2}} + \frac{C(1)}{(1+2+4)}$ = x3(A+C)+x2(2A+B+A, 4C)+ x(4A+4D+4C)+(8A+4B+4) $B = -\frac{3}{4}$ $C = \frac{77}{8}$ $D = \frac{5}{2}$ $-\frac{3}{8} \left\{ \frac{dx}{1 + 121} - \frac{5}{4} \left\{ \frac{dx}{1 + 21^2} + \left\{ \frac{77 \times 120}{8 \left[x^2 + 4 \right]} dx \right\} \right\} = -\frac{3}{8} \left[\ln \left(x + 2 \right) - \frac{7}{4} + \frac{1}{4} \right] \right\}$ + 77/n/x2+41+ 5 anc 19 x



$$\begin{cases}
\frac{\sqrt{3}}{706}, \frac{1}{2650}, \frac{1}{17000}, \frac{1}{200}, \frac{1}{200},$$

(= 52 175 52-125) 25 | L- ancsin (55) U= 15 514 (1) 155 in 2t -725 dt = 57 15 in 2t 7) dx = 7 5-17 dt = - 7 . 19+ . / t = one sin 1 5 U= Jisin / > - 5 $\int_{\sqrt{2+6}\times +9}^{7} d1 = \int_{\sqrt{2+3}}^{7} dx = -\frac{7}{2+3}$ $= \left[-\ln \left(\frac{17}{55-02} \right) \right] \frac{7}{55-02} \left[\frac{7}{55-02} \right] \frac{7}{55-02} \left[\frac{17}{55-02} \right] \frac{7}{55-02}$ - 55-02 (1 52-5) In(1260-5))+(3-52) In(152-511-725)-705,50 J 5-02 162502-37251 cop. zovern : to U= Jy U=2-V Omben: 81n (15x13 11) x+3 -5 52-x) - 8(n (5x13 |x13 |+ 152-x 7 54+3 (1-8,-24)/n(126x-47/)+(8,+24)/n((x+3))-7000) + Jz-x 180x+240 + 7 + C

ALC: N

y 7 (5,112/2x) 105413x1 dx 1 11 = 2x 1 x = 4 Slosyn Sin24 du | cos24 = 7110924 25 17-105241 1105241712 04 $= \int_{-\infty}^{\infty} |\nabla - 2n| \qquad |\nabla - 2n$ = 1 5 (605 5+71 - 105 5 (105 5+71 dv SLOS D+712 dJ - SLOSU + 2605U +7 dV = = 51 n 2 v + 2 sin v + 3 v \$ 105 51 103 V + 71 2 dV = { \(\log \frac{3}{3} \tau + 210 \frac{5}{3} \tau + 10 \tau \frac{1}{2} \) = sin 5 - sin 5 + 5 + sin 25 + sin 5 ro umory normans pasnae 5in 8x + 5in 41 + - 3 tg 52x - 8 tg 32x - 9 tg 2x + X 128 76

10.7 $\int \frac{7}{4\pi \sin x - b \cos x} dx$ $\int \frac{7}{4\pi \sin x - b \cos x} dx$ $\int \frac{7}{4\pi \sin x - b \cos x} dx$ $\int \frac{7}{4\pi \cos x}$

105 dx = | += 4+15inx | = 2+-8d= = 52d+ (8d+ = 2+ 1 + 8ln+1 = 2(h+15inx)) = - $\frac{1}{8[n(n+5\sin x)]^{\frac{n}{2}}} = \frac{2[n+0]}{2[n+57]} - 8[n(9+7] +$ 2-8[ln5-ln4] = 2-8ln 5 127. $\left(x, (05)x\right)dx = 1 = x$ > 7 y + 51 n 2 x $= \times \left(\frac{7}{2} \times + \frac{\sin 2x}{h} \right) - \frac{1}{5} \left(\frac{7}{2} \times + \frac{\sin 2x}{h} \right) dx =$ $= \left(\frac{x^2}{2}, \frac{x \sin 2x}{y} - \frac{x^2}{y} + \frac{\cos 2y}{y}\right)^{\frac{2}{2}} = \left(\frac{x^2}{y} + \frac{x \sin 2y}{y} + \frac{\cos 2y}{y}\right)^{\frac{2}{2}}$ $= \frac{n^{2}}{16} + 0 + \frac{7}{8} - 0 - 0 - \frac{7}{8} = \frac{n^{2}}{16} - \frac{7}{4}$

$$\frac{2}{3}\left(\left(-2\sqrt{2},4\right)-\left(2\sqrt{2}\right)\right)dx = \frac{2}{3}\left(\left(-2\sqrt{2},4\right)-\left(2\sqrt{2}\right)\right)dx = \frac{2}{3}\left(\left(-2\sqrt{2},4\right)-\left(2\sqrt{2}\right)-\left(2\sqrt{2}\right)\right)dx = \frac{2}{3}\left(\left(-2\sqrt{2},4\right)-\left(2\sqrt{2}\right)$$

 $\int_{10}^{10} \frac{1}{1} \int_{10}^{10} \frac{1}{1} \int_{1$ $= \frac{9}{4} \frac{3}{5} \frac{7 + (0527)}{2} \frac{1}{2} \frac{1}{2} = \frac{9}{8} \frac{3}{6} \frac{3}{4} + \frac{9}{8} \frac{3}{10527} \frac{3}{44} =$ $= \frac{9}{9} + \frac{1}{0} + \frac{9}{8} \cdot \frac{5in27}{0} = \frac{9}{8}b - \frac{9}{9}a + \frac{9}{76}sin(2a)$