





a) SMA (nevs +y2) dæ dy da; unde A=[-1,1] x[0,2] x[0,1] gol: SSA (xy2+y2) dxdyd2 = [(3 (1 pey2+y2)d2)dy)dx = [1/-[3/xy=2+y2]=0 dy dx = [1/[3/xy+y2)dy)da $= \int_{-1}^{1} \left(\frac{y^{2}}{x^{2}} + \frac{y^{3}}{3} \right) \left(\frac{y^{-3}}{y^{-2}} \right) dx = \int_{-1}^{1} \left(\frac{y^{-4}}{x^{2}} + \frac{27-8}{3} \right) dx =$ $\frac{1}{5}$, $\frac{2^{2}}{2}$ $\frac{2}{2}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ 6) [[] 2 dx dy d2., A =[1,2] x[0,1]x[2,3] 0) ((x2+y2) 2 alst dy als, unale A= }(x, y, =) €123/(x, y) EB, x=2+y2 = 2 = √6-x2-y2) B=3(x,y) E122/2+y2 < 29 $\iiint_{A} (x^{2} + y^{2}) = dx dy dx = \iint_{B} (\int_{x^{2} + y^{2}} (x^{2} - y^{2}) \cdot 2 dx) dx dy$ = \(\left(\frac{(\pi^2 + y^2)}{2} \right)^2 \right(\frac{\pi^2 - \pi^2}{2} \right) \dip \dy = - (B x2+y2/6-x2-y2-(x2+y2)2) dx dy Bonvera + maig >1BEJ(R) Bompacta July 1. B > P, f(x,y) = (x2-y2). (6-x2-y2-(x2+y2)2) Cont SV:) A=rcoso , reto, 0), oct 0, 211] y = rimo (21,y)EB => 22+42 = >)7= = 2



