$\int dx = enf (x \cdot 4) + c$ 2dt = SP 2dt = SI+2 2dt 1++2 = SI+2 ++2 = SI+-1)2 +1+2 $=2\int_{(F-1)^2}^{A} = 2\int_{(F-1)^2}^{A} = 2\int_{(F-1)^2}^{A} + C = -2\int_{(F-1)^2}^{A} + C = -2\int_{(F-1)^2}^{A} + C$ 8521. PAX S+4510x = S+542+8t = 2+t2 = S+2+2.55. f. 55 5 5 $= 2 \int \frac{df}{\sqrt{5}f + 4} \int_{0}^{2} + \left(\frac{3}{5}\right)^{2} = \frac{2}{\sqrt{5}} \frac{1}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right) + C = \frac{2}{3} \cdot \operatorname{avetg}\left(\frac{\sqrt{5}}{3} \cdot \left(\sqrt{5} \cdot f + \frac{4}{\sqrt{5}}\right)\right)$ 8522. 2-SINX dx = 12+2+2-2+ 2dt - 4 1+2+41 2+cosx dx = 12+2+2-1-+2 1++2-4 1+2+1) = 104 - 10 + 41)+ (enial-en/v1) + 4 - arry 53 = en/+2+3/+4 outf + +e -en/1+2 /+4 outf / g =) $= 2 \cos^2 \frac{x}{2} = 2 \cdot 1 + \cos x = en/2 + \cos x + 4 \cdot and 6$

Detri PdX 25111X + COSX +5 = $\int_{3f^{2}+2}^{2} df = \int_{3f^{2}+2}^{2} \int_{3f^{2}+2}^{2}$ 8524. = 1 p +2+2+1 d+= 1 tgex + tg x + 1 en/tg x/+C 8525 dx 35112x-cos 2x 44 = 3 1++2 $\frac{1}{1}$ = $\frac{1}{3}$ $\frac{1}{3}$ · $\alpha vc + g(\frac{1}{3}) + c = \frac{1}{3} \alpha cc + g(3+gx) + c$. 8526 951m3x+3 co33x , avelg e avetg (2 tgx 527 0+ 1 avotg + + c = +3+1 +214

8528. 735 114-2131) df-8529 Ssinifor = S(01-+2) COST + 2 COST - COST - COST - C. 9 sin 4x. cos 5x0x = Pt4 (01-t2) 5 dt = 9 t4 (-1+ t2) 3t = sin 3x 2sin x sins 8531. $\int \frac{\sin 2x \, dx}{\cos^2 x} = \int \frac{2\cos x \sin x}{\cos^2 x} \, dx = 2 \int \frac{\cos^2 x}{\cos^2 x} \,$ SINX dx 2 5 cos 5 t 5+5 8532 P(+21)(+2+1) 41 JIN'X =- [+2]+- [d+ - sinx - fen sint-1

JOST COSTOT = JOSS 31. COST OF -= 1 J cos 4x dx + 2 J cos 2 + dx = = 1 8 5 1 M 4 + 4 5 1 M 2 x + C. 854). 1 + 9 " x dx = 5 + 9 2 (cos x - 1) dx = 5 cos 2 dx $-\int \frac{dx}{cos} + \int \frac{dx}{2} + \int \frac{dx}{cos} + \int \frac{dx}{2} = 2\int \frac{dx}{2} + \int \frac{dx}{2} + \int \frac{dx}{2} = 2\int \frac{dx}{2} + \int \frac{dx}{2$ = 2 · 3 · 1/2 · d = 2 1 + 9 7 + St = 1 + 9 - x1 1 - 1 dx = 1 + 9 x dx - 1 tg 3x dx + 1 tg 3xdx= 1 1g 5x dx- 1 dg 3x dx + + (tgx Sx- Stxdx = StSt-St3t+Stdt-Stg+tx = - + - + + 2 Len / cox/- C - 19 ex - 19 4x - + 9 x 1en/cox/ ee.