

Sett dette inn over + lett regning => svan. d) SSS Yx2+y2 dxdyd2, A inni sylinder x2+y2=1, mellom xy-plan oy z=(x2+y2)2 Sylinderhourdinater: ZE IU, r3] SSST. r dz dr do $=\frac{1}{6}\int_{0}^{2\pi} 1 d\theta = \frac{2\pi}{6} = \frac{\pi}{3}$ e) $x^{2}-2x+y^{2}=1 \Leftrightarrow (x-1)^{2}+y^{2}=2$ sirbel, sentrum (1,0), radius 12. Sett u = x-1, v = y, w = & => Jacobi determinant = 1 Dorace sylinderen mellom w=0 og w=2: