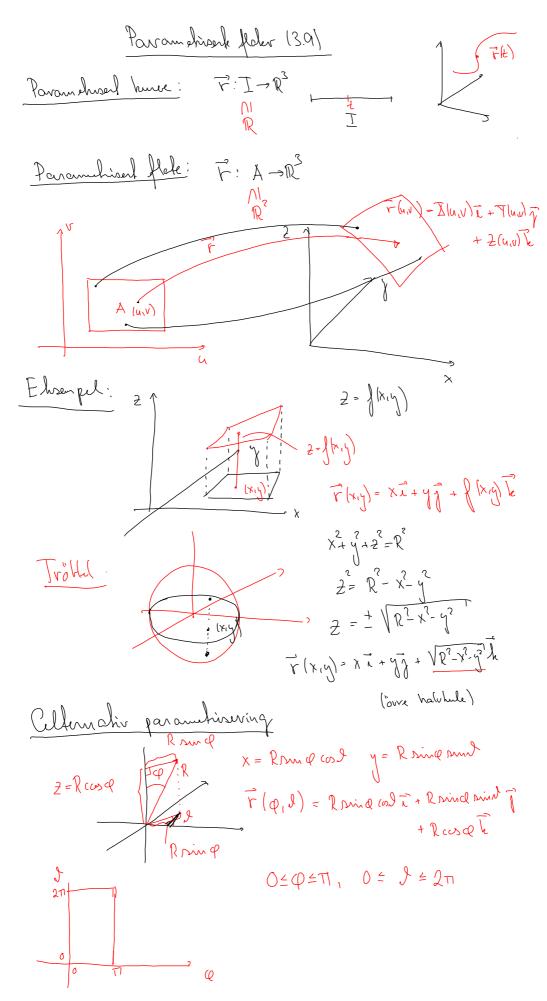
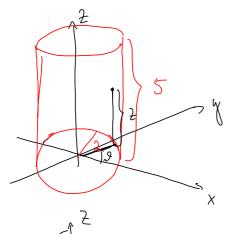
Cyrapshe fremstillinger av veldafet (3.8) Vellafel:  $\vec{F}: \vec{\mathbb{R}} \to \vec{\mathbb{R}}$ ,  $\vec{F}: \vec{\mathbb{R}} \to \vec{\mathbb{R}}^2$ ,  $\vec{F}: \vec{\mathbb{R}}^3 \to \vec{\mathbb{R}}^3$ F(x,y) = vind: (x,y) MATLAB: Flay = xyz + ext X = -5:0.5:5 U = (forbilampamelle lil F)  $y = -5: \delta.5:5$   $y = \infty$  (omm -1) [x,y] = mesharid(x,y) quiver (x,y,u,v)  $x = x \neq y$ V= exp(x+4) alternationale: F(x,y)=u(x,y)7+v(x,y)7 Hva shjer med aredit. Hverdan en aveal (F/A) samuelyed med areal(A)? Svar: His ha libergil and (F(A)) = | del (F'(a)) | areal(A)

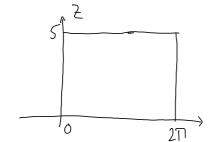
March: I del F'(a) | n an alfordondersfaller i arrial rund o





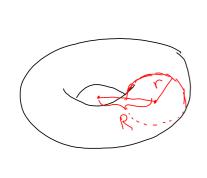
Parametrisering:  

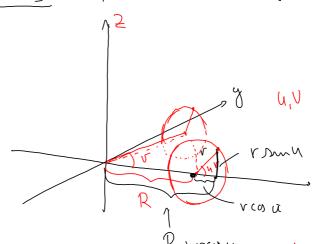
$$X = 2 \cos \beta$$
  $0 \le \beta \le 2\pi$   
 $y = 2 \sin \beta$   $0 \le 2 \le 5$   
 $2 = 2$ 



T(1,2) = 2 cosl 7 + 2 milj + 2 le

Torus (auflebentil en smulbing)





$$X = (x, y) = (x + y \cos y) \cos y$$

R+rcosin

