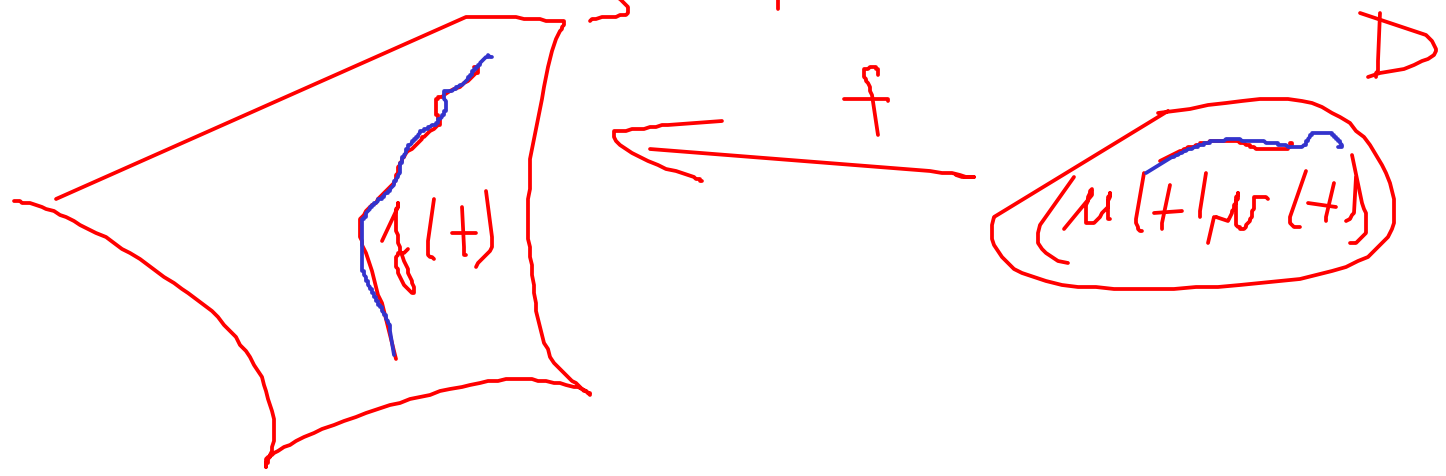


$$f(u, v) = (g(u) \cos v, g(u) \sin v, h(u))$$

$$d\sigma = \int_{t_1}^{t_2} \sqrt{\Phi \left( \frac{du}{dt}, \frac{dv}{dt} \right)} dt$$

$(u(t), v(t))$  ~ oblasti parametrizatsii

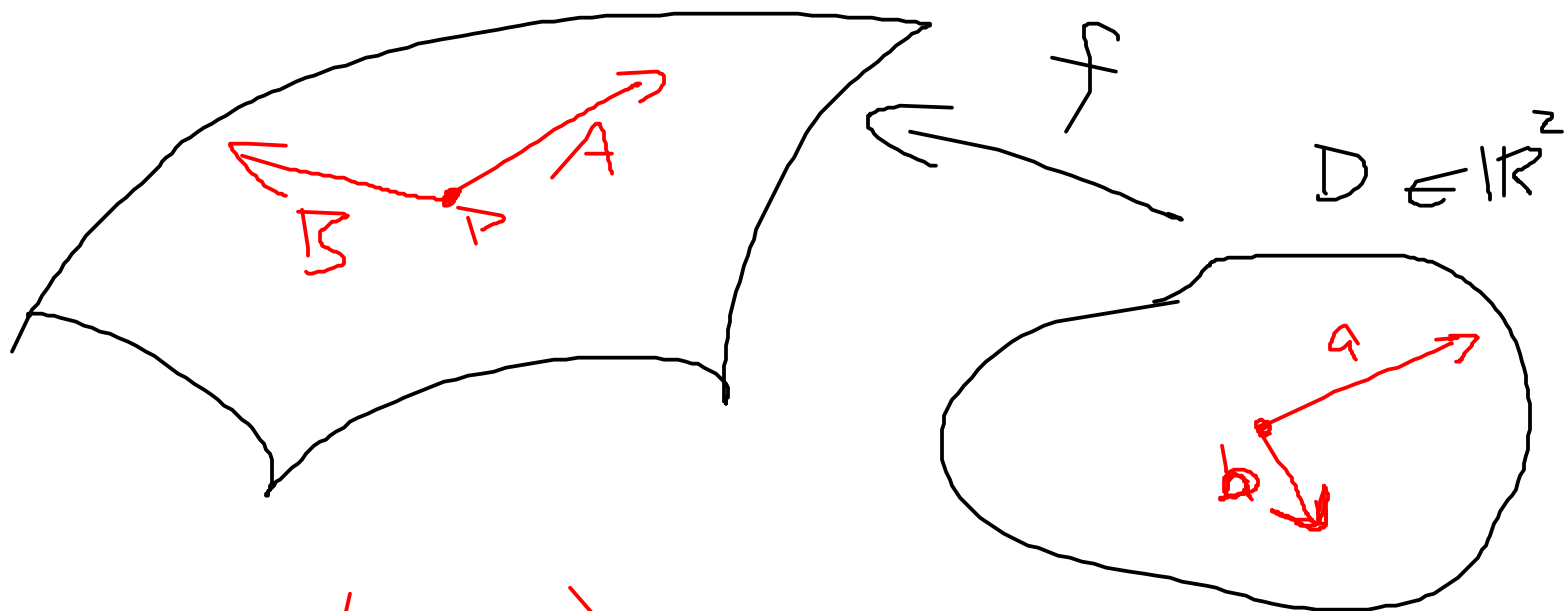


$$\cos 2x = \cos^2 x - \sin^2 x$$

$$1 = \cos^2 x + \sin^2 x$$

so that  $1 + \cos 2x = 2\cos^2 x$

Odchylka dvou vektoru  
na ploše  $S$



$$\bullet a = (a_1, a_2) = a_1 e_1 + a_2 e_2$$

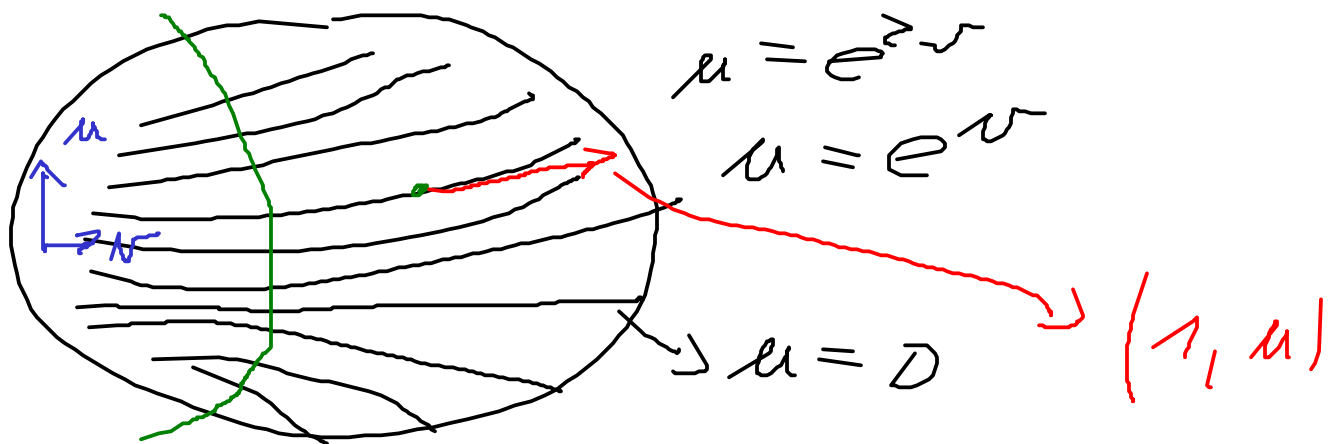
$$A = a_1 f_1 + a_2 f_2$$

$$\bullet b = (b_1, b_2)$$

$$B = b_1 f_1 + b_2 f_2$$

odchylka =

$$= \frac{|\Phi_1(A, B)|}{\sqrt{|\Phi_1(A, A)|} \sqrt{|\Phi(B, B)|}}$$

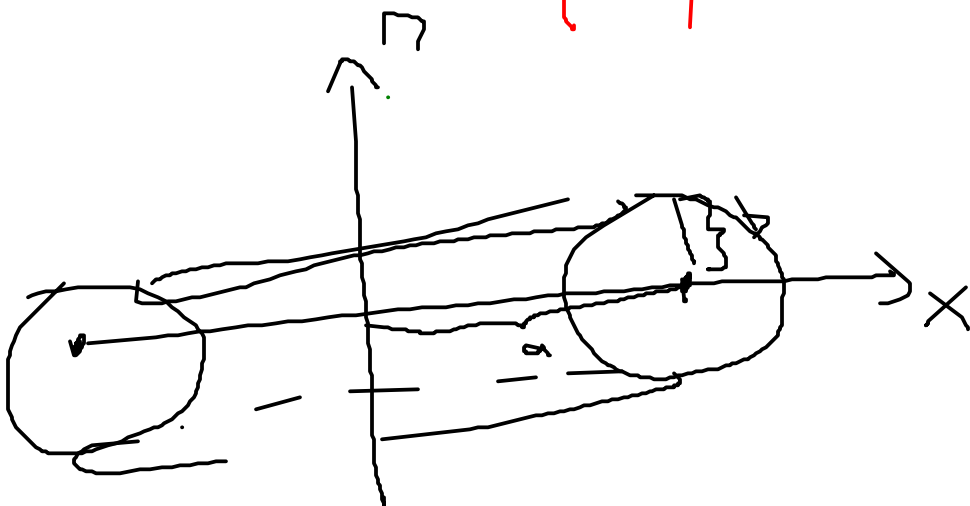


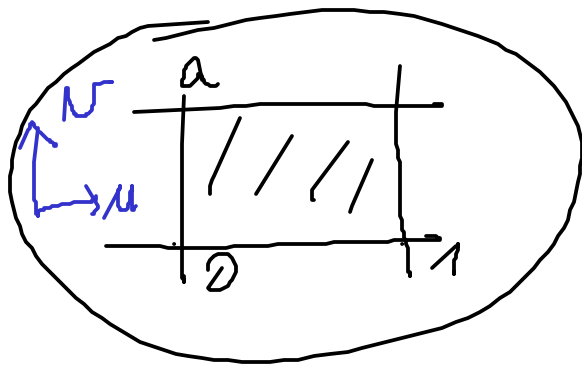
$$D \subseteq \mathbb{R}^2$$

$$u = ce^v$$

$$u' = ce^v = u$$

$$(1, u') = (1, u)$$





f

