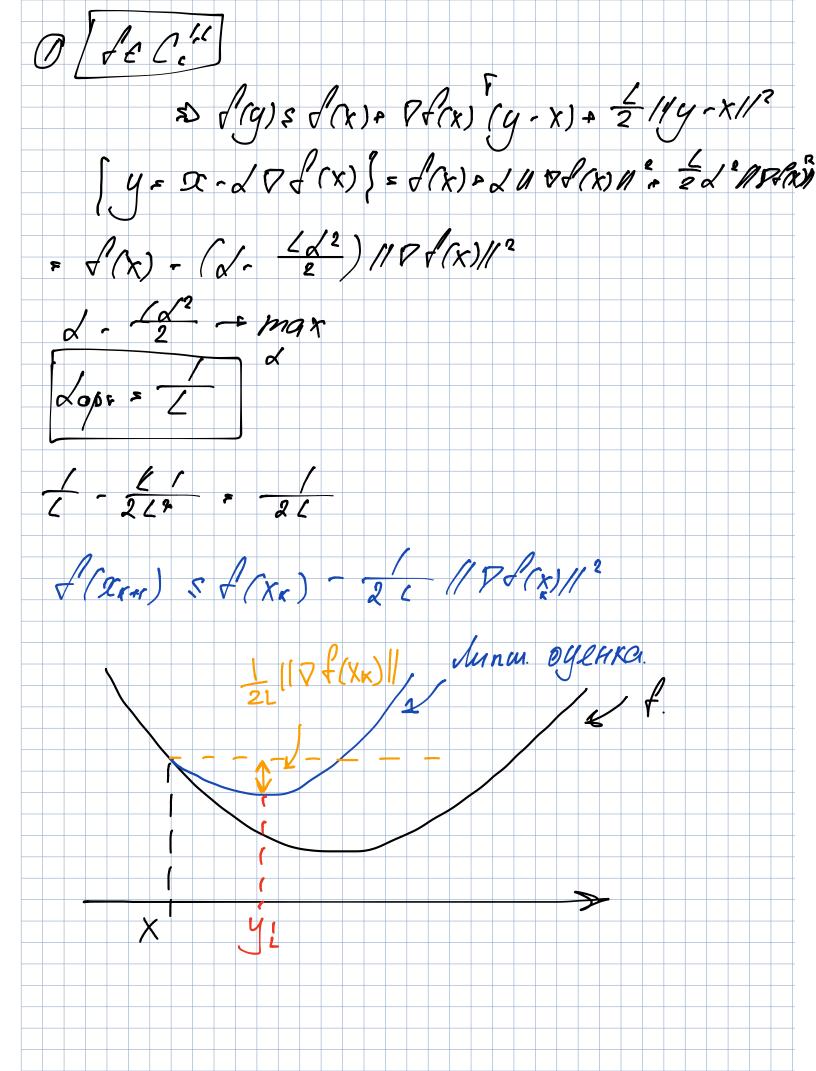
$f(2) \rightarrow min$, $f \in \mathcal{D}$ IER" IRA = IR + dK dK, SK, dK ER The So bance: de - nantablence cryaka.

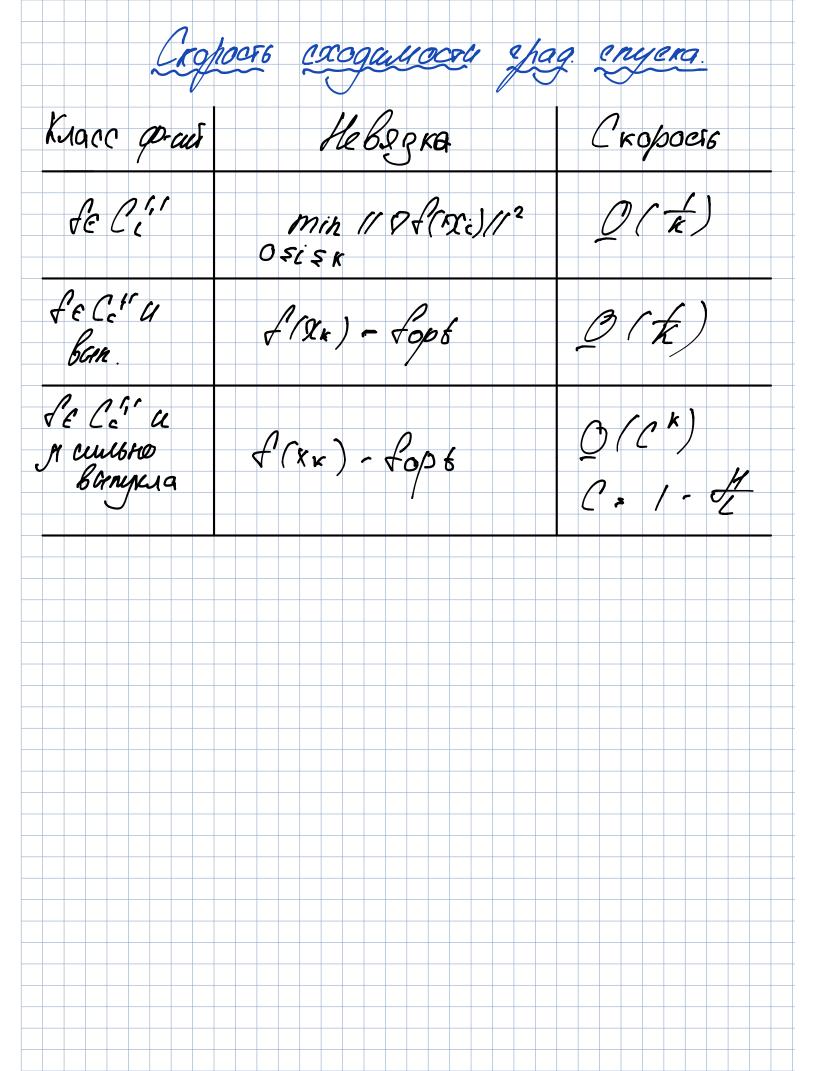
The So bance: de - nantablence cryaka. $\int \nabla d(x_{\kappa}) d\kappa \rightarrow min$ $\int \int d\kappa || \Delta \kappa ||^{2} = \int ||\nabla d(x_{\kappa})||$ GD: SKAI & SK - OK P f(aK) Nogsop dr: 1) dr = I, fe CL 2) Lx 490 b.e. 40 - 201 Spill. Byll.



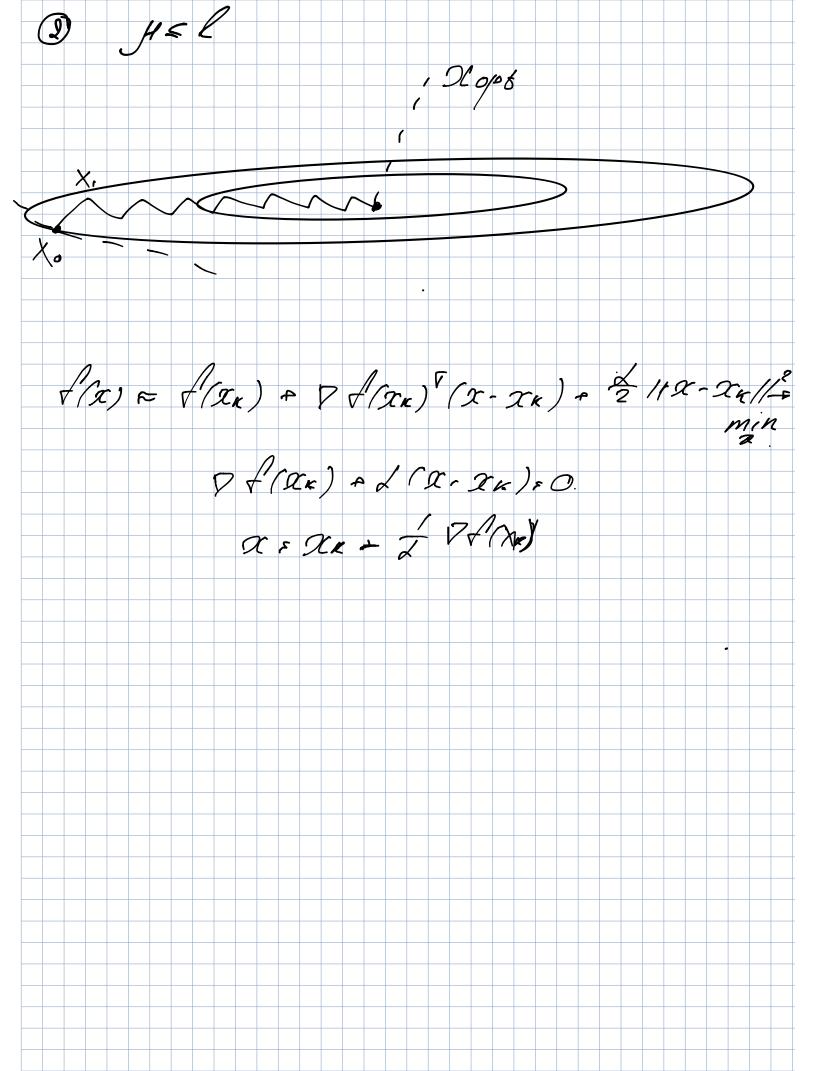
(2001) S + (Xx) - 2 (// Porx)// S A (2x-1) - 20 11 P & (2x-1) 11 \$... $f(x_0) - \overline{a} = \frac{1}{2} \left(\frac{x_0}{x_0} \right) + \frac{1}{2} \left(\frac$ $f(\alpha) > - \infty \forall \alpha$ E, 110+(xe)12521(+(xo)-+(xx1)) \$ €21(f(xo) - fose) Oxis K To fac)// yourus Has cropost exoguloctu y goyfux. Clunu 2/1agce41804

LE C'' u 14 ceule 40 borneralas $f(q) = f(x) + p f(x) (q-x) + \frac{f(q-x)^2}{2} |q-x|^2 = h(q)$ min f(g) = f(good) = min h(g)7h(q) = 7f(x) + f(q-x) = 0 D 9- a- # PS(x) f(gope) 3 h (G) = f(x) - 2/11/7 f(x) | 2 Juna OGLAKO.

f (2ker) - fopt 5 f(xx) - fopt - 2/1/8 f(xx)//3 (A(XK) - fops - 24 (A(XK)-Pops) -= (1- ft) (f(xx)-fox6) 5... 5 (1 - 2) K+1 (f(x.) - fops). Munes mad cropoct 6 exaguerouse.



f(x) = 2 x = 8x - x = 6 -= min A = X = 0 Vd(x)= 221x - 6 = 1x - 6 $\nabla^2 f(x) = A$ Je Ci gul L= Imax (x) 1 - auction Carrywal (H = 2min (A) =0. B. MEL · Sops.



Nagor L= grance mara nobrohelve: $2x+1 = 2x - \frac{1}{2x} \sqrt{(xx)}$ $eau \sqrt{(xx)} \leq \sqrt{(xx)} - \frac{1}{22x} \sqrt{(xx)} \sqrt{(xx)} \sqrt{(xx)}$ $eau \sqrt{(xx)} \leq \sqrt{(xx)} - \frac{1}{22x} \sqrt{(xx)} \sqrt{(xx)} \sqrt{(xx)}$ LK & LK of J >1 Lxar = Lk . P, DC/.

ItAI = IK + KKOK