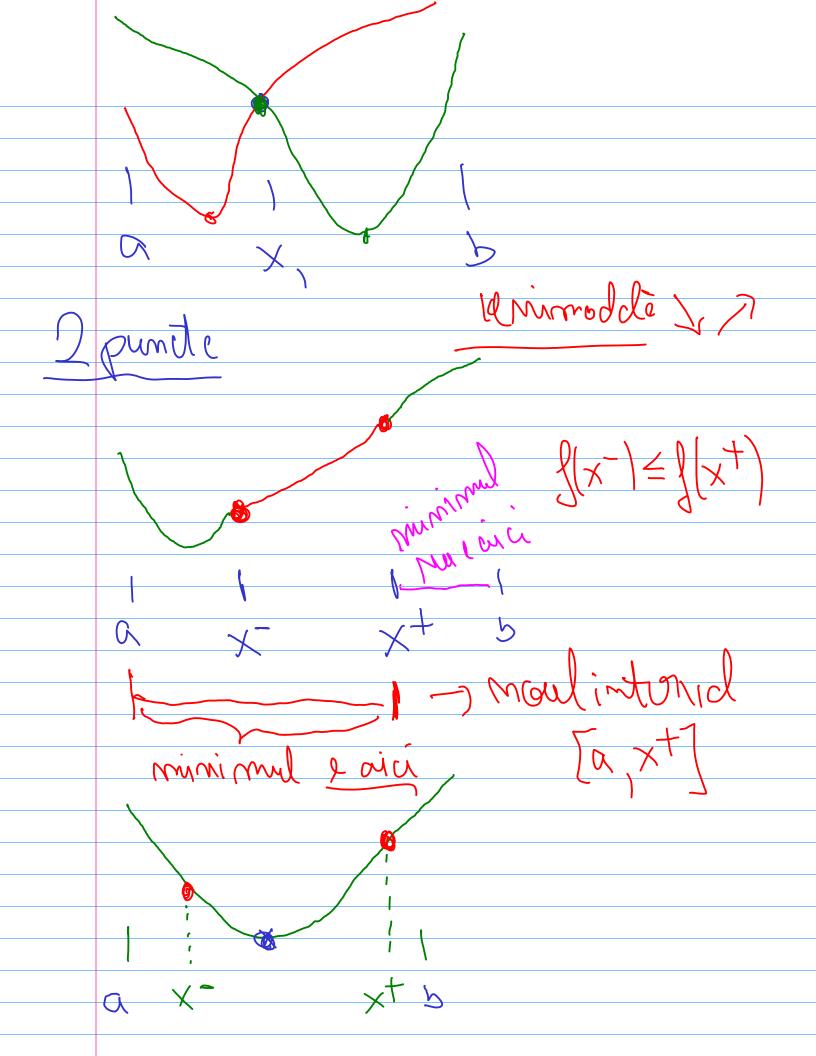
Curs 4: Optimizare in 1D Algorationi ce mu utilizer derivate. -) discrititem [ab] - un formo -) X, --, Xn E[a,b] (-aliatoria -) Evaluom f(x1) - ., f(xn) Julyen valoure ua moi mico Settific depinds de disortitos - disordizar mai juro 3 app 76 x - Costul algoritmului: m x pial bis) licatio: Tuput Motre grafice a uni Jundi

Avantaje: - 18m gési chiar aproximèri oli minimului global Funchic animodali Trit:] = [a,b] > introdulin con gosim salutia Désidibul: la itérat, q mi i vem

AMELIORA intervalue du aproximan

[an,bm] -> [anti,bn+1] mai mic Mr Stron 50 reducem intervolu



 $\frac{1}{2}(x^{-}) > 1(x^{+})$ Ines aprisc - Jamman J minimul Mu estraici estrin [x,b] Algorit mul Slich 17 Involventul "de bude este Solutio E [am bm] Estimon de voort langime Ln/2 applex pt x*

applex pt x*

applex pt x*

applex pt x*

on limote: met over < 9 (eva.citulo) onx supor limori ording: 9714 ECT, P>1 n; < 1 =) n; < n; · 8 = 1/m =) Tm+1 = 8 < 1

 $\frac{\sqrt{m+1}}{2}$ $\frac{\sqrt{m+1}-m}{2}$ $\frac{\sqrt{m+1}-m}{2}$ $\frac{\sqrt{m+1}}{2}$ = 7; = 15il (lungime intervelly) Mi+1= = Ti =) Conv limatio

triseylis! Flogethel de