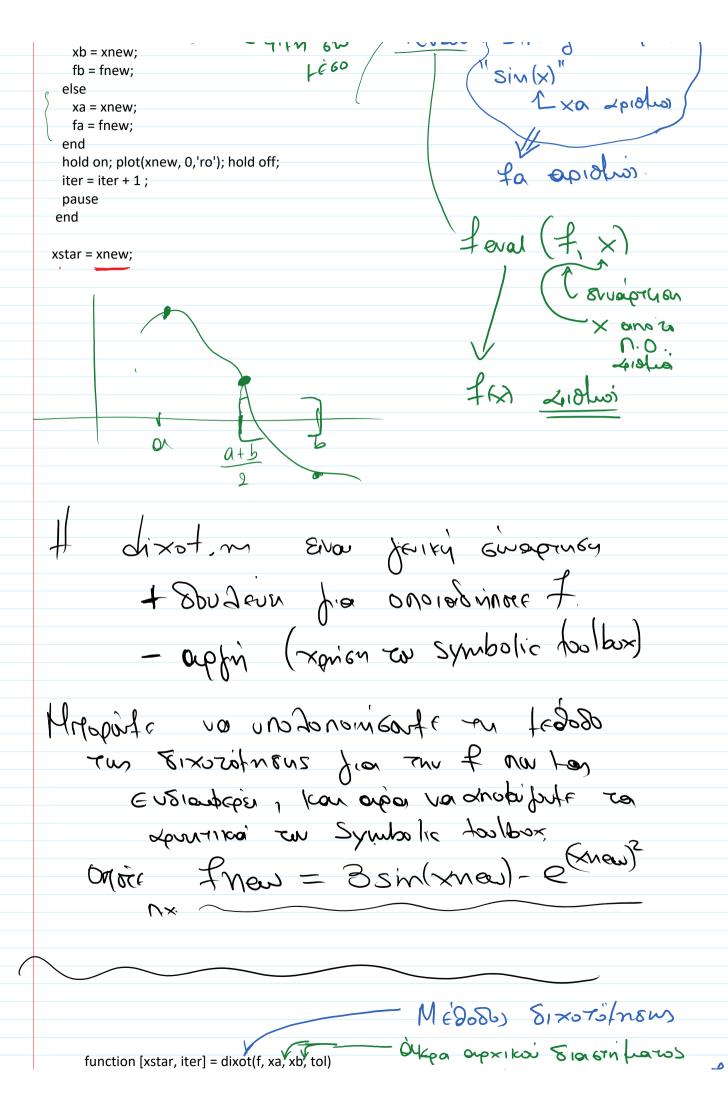
Πέμπτη, 29 Μαρτίου 2018 9:28 πμ GWCE ΣΕΘ TWO FCYLETO B & DILLION GUMENTECIE VOYAMANO POO syn = [5 2 0 3 - 4];rizes = roots(syn) Gradepoi opoi eff time string  $ekf = '30*sin(x)-5*exp(x^2)';$ f = inline(ekf); ezplot(ekf,[-2 3]); grid x0 = input('dwse arikh timh '); > gutronblia enrobernens [sol fsol] = fzero(ekf, x0) f(x) = 30sin(x) - 5ex plot and as symbolic toolbox eft uer thaper ion onjo [-2,3] M.O. run 6wapenson fren: 2no to symbolic hollow. elef: Lormula in Ewapinens XO: LAXIKN elim xsol: noceffer m pifas fool: Tilm in ext 600 xsol. 6 wapturen of two onotan DEAW VOI BOD IN function [xstar, iter] = dixot(f, xa, xb, tol) hold on; plot([xa, xb], [0 0], 'ro'); hold off; iter = 0; - Ikanien zus & le fa = feval(f, xa); while (abs(xb-xa) > toll (f) xnew = (xa+xb)/2; fnew = feval(f, xnew); (xa+xb)/2; (xa+xb)/2fb = feval(f, xb); - 7.1% 6w feval: string > oplotis
tè60 "Sin(x)" if sign(fnew) == sign(fb) xb = xnew;fb = fnew;مادم



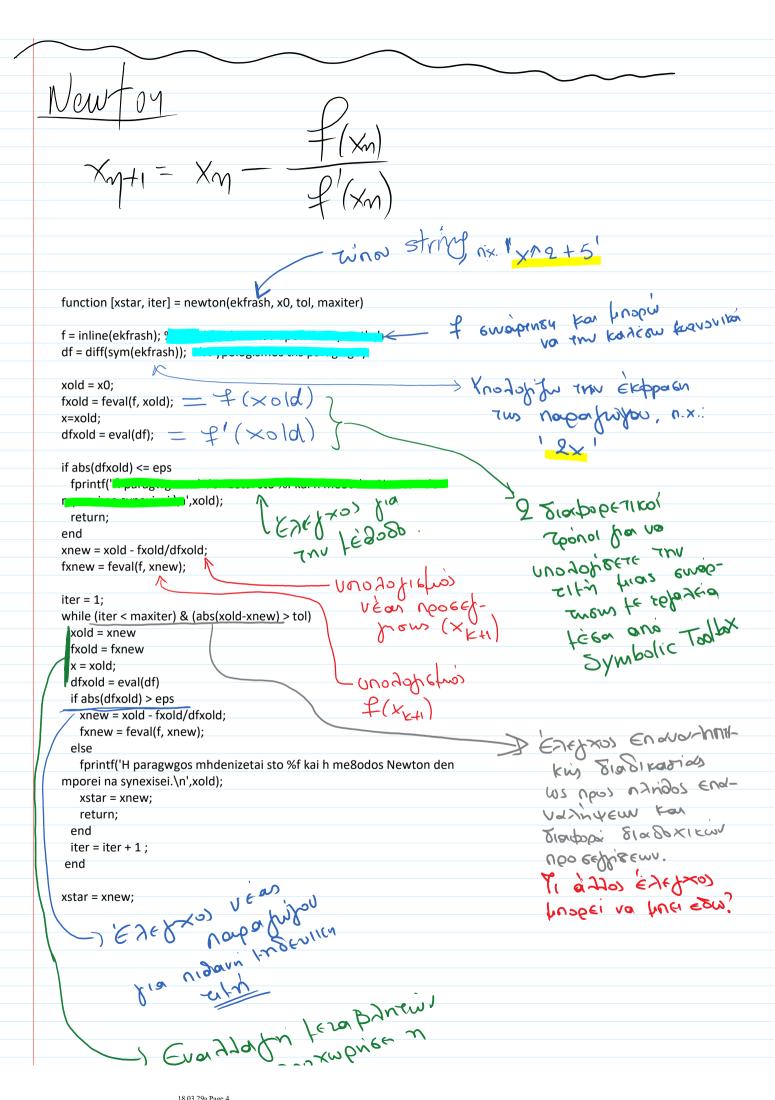
Okpa apxikai 810,671 haros function [xstar, iter] = dixot(f, xa, xb, tol) - handler Tus 60 vaprusy ; f hold on; plot([xa, xb], [0 0], 'ro'); hold off; Ths onoion yaxw IN pila iter = 0; 01/0×n 600 spirt x (0+0136ix) fa = feval(f, xa); $fb = feval(f, xb); \leftarrow$ while (abs(xb-xa) > tol) Modof choi rus this The consideration xnew = (xa+xb)/2;fnew = feval(f, xnew); for xa, Sm. f(xa). if sign(fnew) == sign(fb) .dx of a pa and O xb = xnew;fb = fnew;else forabiko kpirnipio to friko) xa = xnew;con Siasty hara). fa = fnew;Spirmen: Eivan aprocisió com hold on; plot(xnew, 0,'ro'); hold off; rebisible is xbergifetion iter = iter + 1; pause ow Favor cov Kar to Kpithpio LEZPUZY ZWV ENDUDAN 11 iter < maxiter" xstar = xnew; y &w lara 1. (ESW) X per on from Linds Tur En 1617 Edw To named Ture Jion von tru koir un endless Wops ?? Mobiles 200 Xnem H nposeff on GE Eta GENTE MECE 10 166,06,00 To Side of the top of the Andrew of the top Brilia Eivan to KErpo tou 519674 haw -NPO 6 What fid that 8,9674/2010s plot (xnew, 0, 1 voi)

2 xesiaje parw en à jord zu x

2 xesiaje par son as n exesiaje zo

3 xnew, 8 n das n exesiaje zo

6 mt eio (xnew, 0) en en intere.



Frayzafu Ferah.