MATH865 HW6

May 23, 2008

1. Extend the two-phase code for Chan-Vese piecewise constant model to four phase (two level set functions) code. Do the image segmentation on the provided image : two.jpg (u_0) with two different initial guesses of the contours you pick. Plot the approximating image u and zero contours of ϕ_1 and ϕ_2 .