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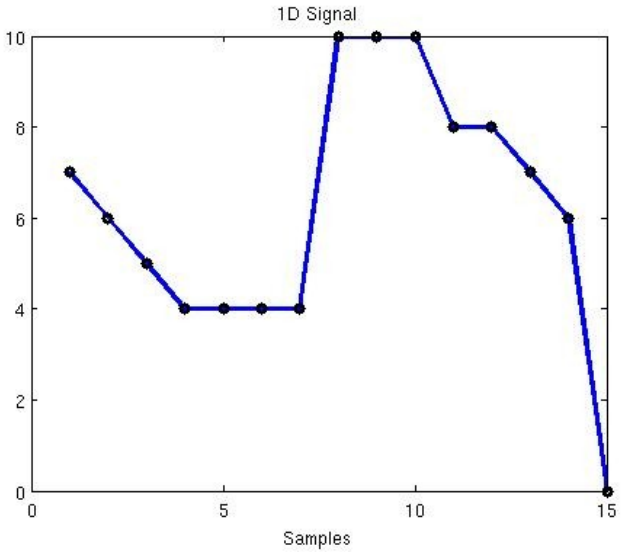
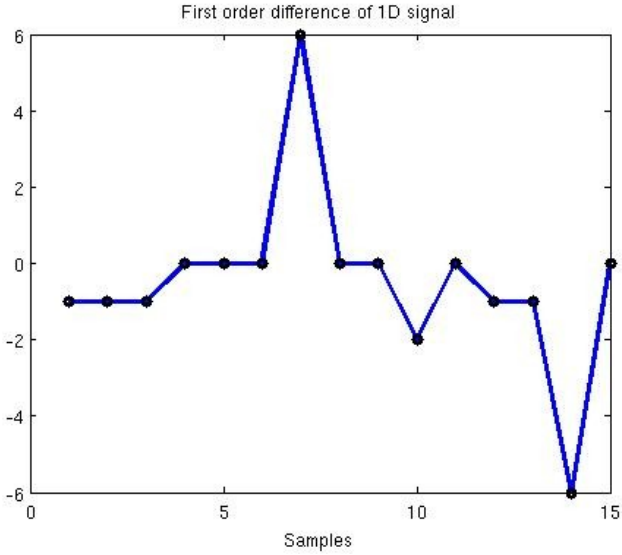
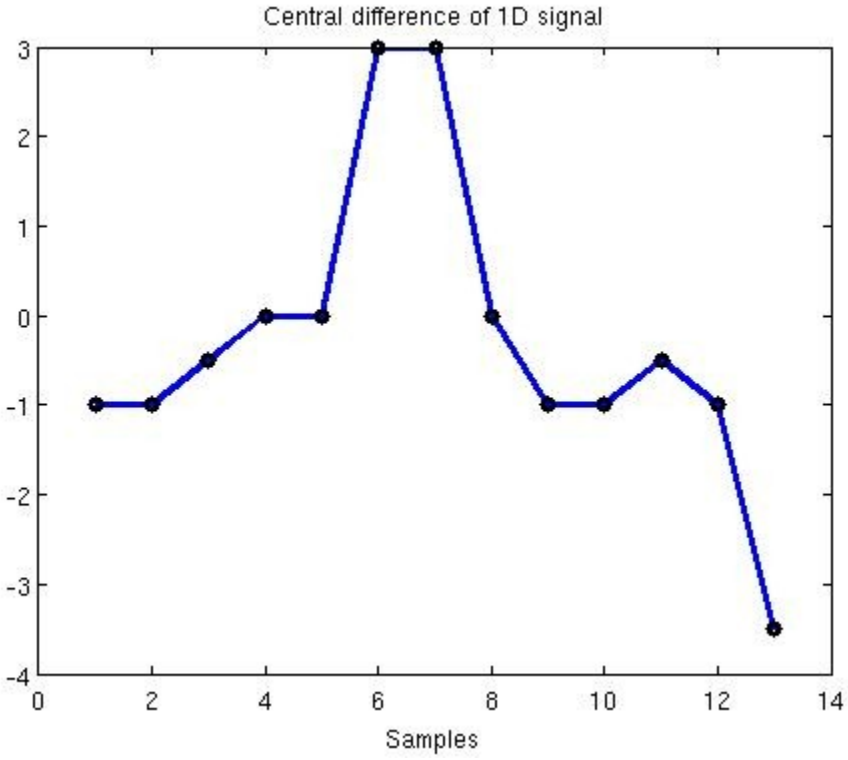
Lab6

Askisi 2

OI eikones pou paragei o etoimos kodika pou mas dinetai :







I) me vasi ta vimata kai ta dianismata pou mas dinontai sthn askisi tou sobel kai tou Prewitt twn gramwn kai stilwn ta efarmozw sto matrix tis eikonas pou pernw me to imread.

Sobel 1x2 filtered image

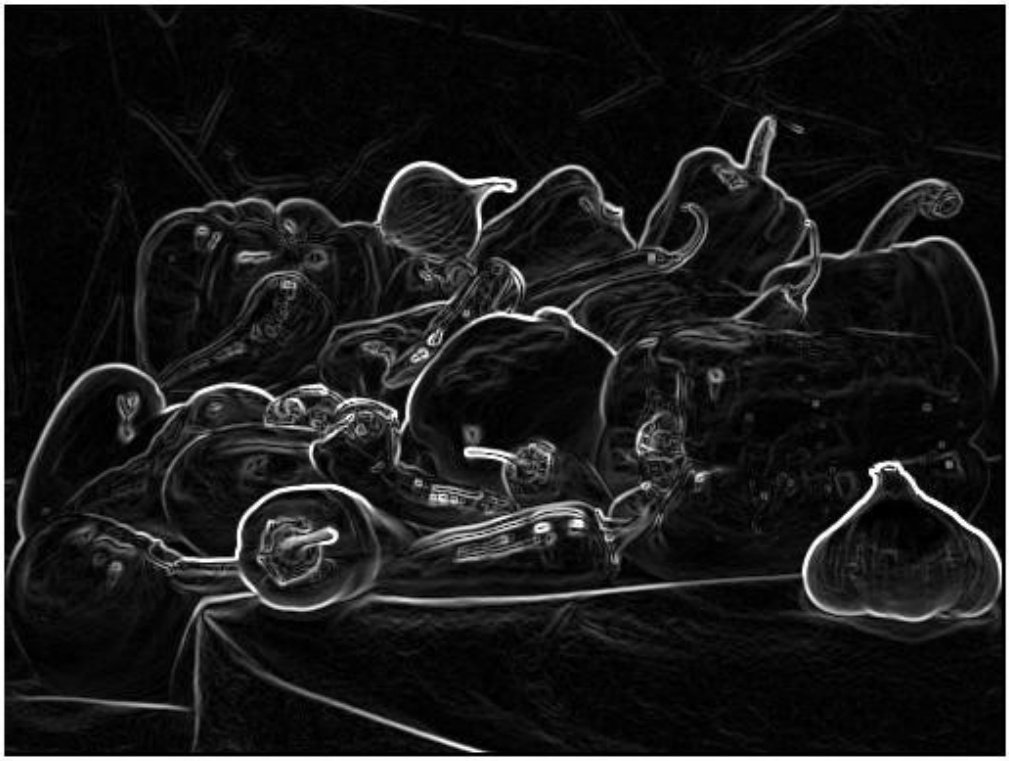
Prewitt 1x3 filtered image

Kai edw thewrw pws einai apotelesatikoteros o prewitt gia tis akmes .

iii)Edw kanoume filtrarisma me pinakes 3x3 Sobel kai Prewitt kai kanw ta idia vimata sto kwdika pou mas dinentai sthn ekfonisi.

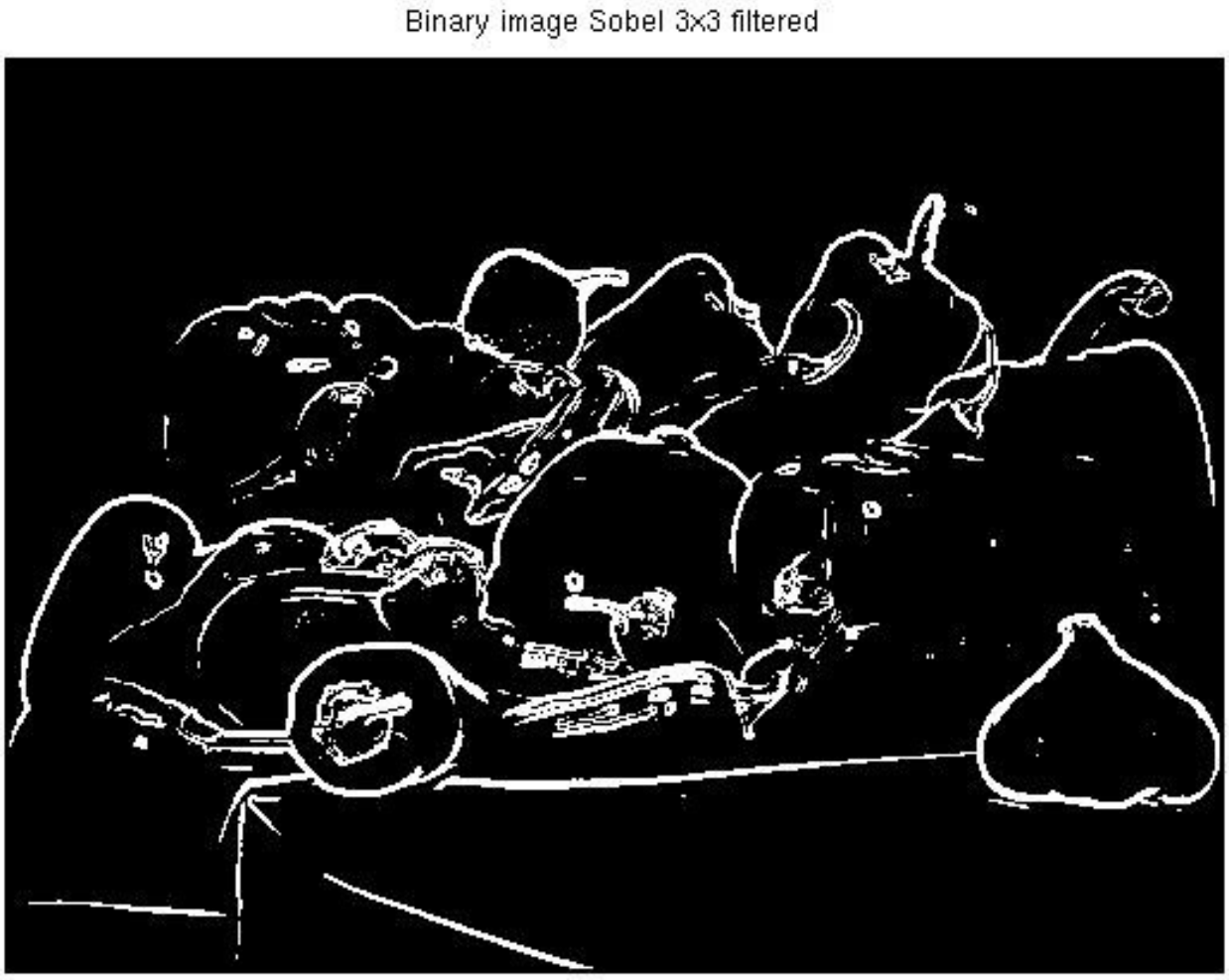
Sobel 3x3 filtered image

Prewitt 3x3 filtered image

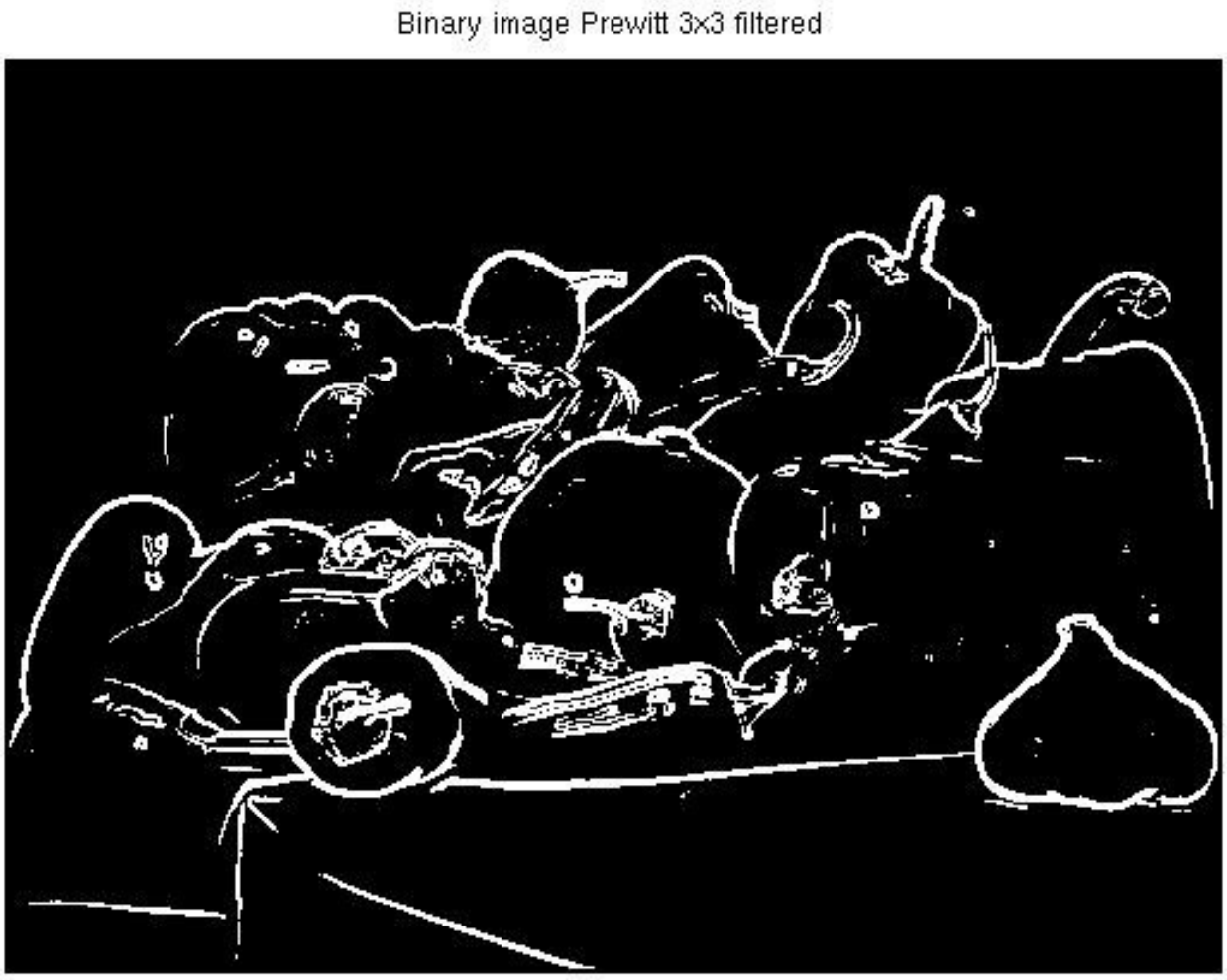


Opws vlepoume stis 2 eikones sto sobel kai prewitt me 3x3 pinakes fenontai polu pio ksekathara me to mati oi akmes apo prin me pinakes 1x2 kai 1x3 antistoixa .

g)Efoson vrikame tis parapanw methous gia na vroume tis akmes twra tha tis metatrepsoume se binary morfi wste naexoume times sta pixels mono 0 kai 255.Opote orizw mia timi gia to thresholding kai vazw ws auti tin timi T =max(max(image))/8 giati mou dinei kalutera apotelsmata stin teliki anixneush akmon . Merikes eikones pou paragei o kwdikas mou kai stis 2 periptwseis sobel kai prewitt.



Prewitt Binary

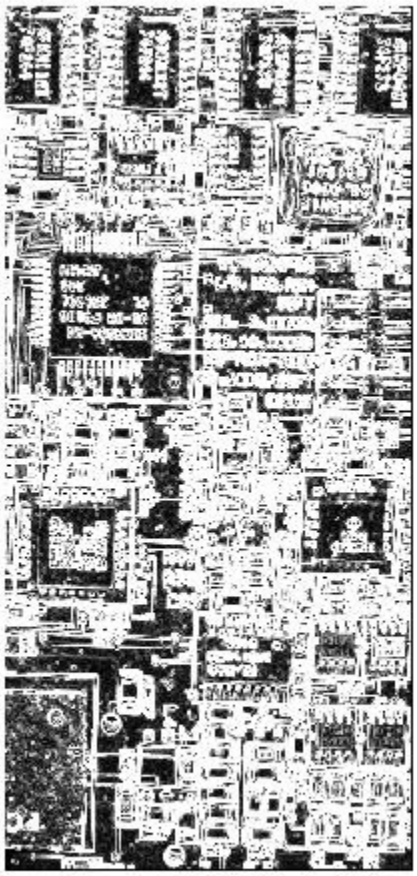


Twra pou tis metatrepsame se binary fenontai polu ksekara oi akmes

Episeis tha valw kai tis eikones tis matlab.filtrarismena me sobel kai prewitt 3x3

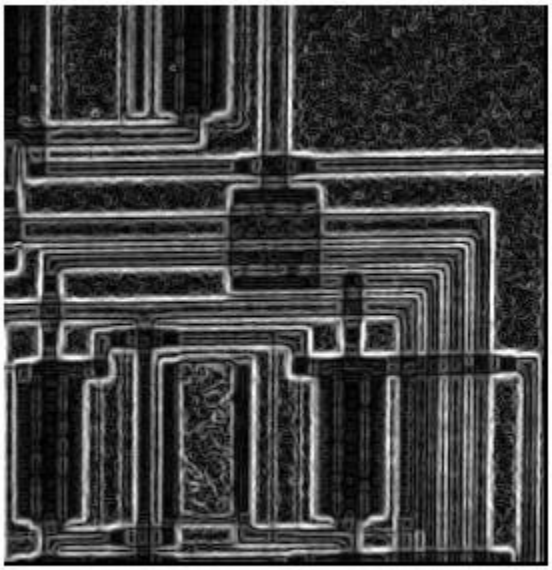
Sobel :

Sobel 3x3 filtered image



Sobel 3x3 filtered image

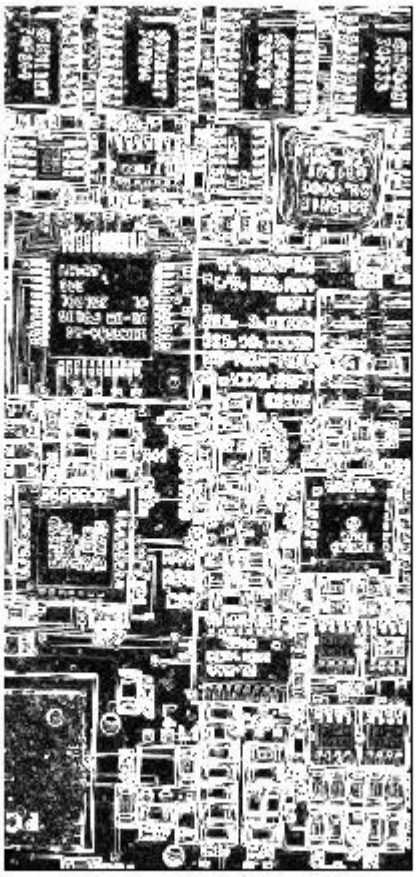
Sobel 3x3 filtered image



Sobel 3x3 filtered image

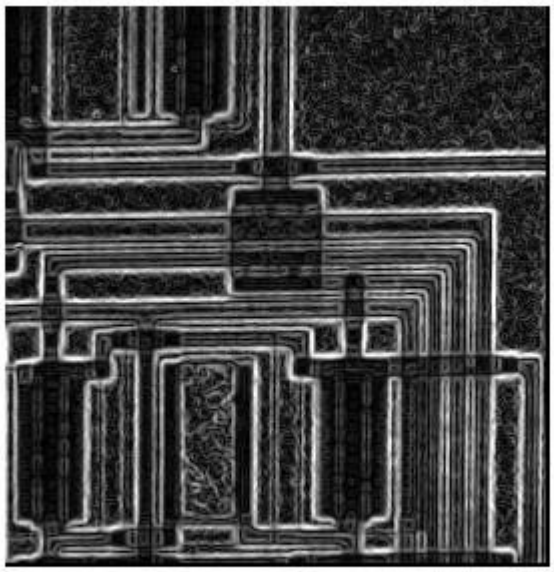
Prewitt 3x3

Prewitt 3x3 filtered image



Prewitt 3x3 filtered image

Sobel 3x3 filtered image



Prewitt 3x3 filtered image