Subject: wavelet using wv_dwt
Posted by Lavanya on Thu, 16 Jun 2011 09:10:25 GMT
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Hi

i am trying to decompose an image into its wavelet coefficients (approximate LL and detailed ones LH, HL, HH). I used the following code decompose the image into scaling and wavelet coeffs at level 2 decomposition. After that i am not able to proceed further. Please suggest ways of getting these coefficients or i am approaching the problem in a wrong way

```
PRO test
x1 = read_tiff(filepath('image.tif',subdir = ['examples','data']))

x = congrid(x1, 128,128 ,/cubic)

info = wv_fn_daubechies(2, wavelet, scaling,ioff, joff)
wv_dwtpartial = wv_dwt(x,wavelet,scaling,ioff,joff, N_LEVELS = 2)

wv_level1 = wv_pwt(x,wavelet,scaling, ioff, joff)
w_scaling1 = wv_level1[0:n/2-1]
w_wavelet1 = wv_level1[n/2:*]
```

similarily, obtained scaling and wavelet for 2nd level.

Please tell me how to get the sub bands of the image and display it