Subject: superresolution
Posted by Helder Marchetto on Mon, 18 Aug 2014 08:15:03 GMT
View Forum Message <> Reply to Message

Hi,
I'm looking into generating a higher pixel resolution image from a subset of images of the same object sub-pixel shifted.
In other words, I have n-images of [nx,ny] pixels. Each is the result of a shift of 1/n. Do you know if there is any code out there to reconstruct an image of [nnx,nny] pixels? Obviously with nnx>nx and nny>ny.

I'm obviously looking into doing this in IDL, but also any info on how to do this in other coding languages or good literature references would be great.

Notice that the images are generated by a pixel size limited imaging system and therefore appear pixellated.

Thanks,
Helder