Subject: How to match multiple arrays and plot graph?
Posted by Will on Tue, 16 Feb 2010 10:19:42 GMT
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Hi guys

I have wrote a program that will read a sequence of jpeg images from a specific directory using the READ_JPEG command and a for loop, it wa s the only way i could work out how to do this. The program continues to read a seperate directory of images in the same method.

These images are similar to one another. The idea is to tell the program to find where the sequence of images from one directory best fits or even matches the sequence from the other directory. So imagine:

(jpg) jpg jpg
jpg jpg jpg
jpg jpg
jpg jpg jpg
jpg jpg jpg
(jpg) jpg
jpg jpg jpg
jpg jpg jpg
jpg jpg
Sequence of images directory 1
Sequence of images from directory 2

This is how I imagine what should happen, is the first sequence is loaded followed by the second sequence then the program needs to find the best match which happens to be the jpg in the top left with the other jpg thats in brackets near the bottom right. The full sequence should move resulting in:

jpg jpg jpg
jpg
jpg jpg
(jpg) jpg jpg jpg
jpg jpg jpg
jpg jpg jpg

jpg jpg jpg jpg
Sequences
matched

from this it should then plot a curve graph of the offset between the two sequences. This has to do it with around 242 images in total.

My problem being the likes of array_match won't work as it is too long and neither will setting the arrays into integers as there is too many dimensions. I am confussed as to what to do in this issue. Can anyone help me in trying to get hte two sequences to match? It could be simply multiply each image by each other (or subtract) and plot the best fitting line which would give me the curve graph that I can use, but how do you tell the program to do that arithemitic whilst it is loading through each sequence?

Thank you for taking the time to read this and all help is greatly appreciated

Will
