Subject: Rapid "moving windows" access in IDL?
Posted by Jonathan Greenberg on Fri, 30 Jan 2004 01:43:43 GMT

I'm trying to code a semivariance measure to analyze an image in IDL. Since
the call requires extracting data from a matrix a certain distance away from
the center pixel, is there a fast way of coding IDL to extract these
locations, or is am I doomed to have a very slow algorithm. Basic gist:

For a given pixel/matrix location, subtract off the value of the pixels
surrounding that pixel:

For pixel at A is at x,y
   B at x-1,y
   C at x+1,y

Semivariance = $((A-B)^2 + (A-C)^2)/4$

Any suggestions?

--j