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Subject: How to use ROI on a DEM ?

Posted by [L. Testut](#) on Sat, 11 Feb 2006 18:22:30 GMT

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Hi,

I never used ROI, I saw on this newsgroup and on the IDL documentation many information on ROI ... but maybe too much for a first time user.

Can someone help me to find which is the good ROI routine for my problem ?

I have a matrix  $H(n_x, n_y)$  which is a Digital Elevation Model of the Antarctica. I want to select on this map the different regions of drainage (i.e I want to select the ice divide). Is it possible to display the map (with CONTOUR for example) and to select with the mouse one or more closed regions on this map. The idea is to use these regions to compute mean, stddev, ... of certain glaciological parameters inside each region. Well I hope it was clear. Can someone indicate me which routine I need, and how to use it in this case ?

Thanks a lot for your help,  
Cheers,  
Laurent

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