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Subject: Viewshed and line of sight computation in IDL

Posted by [sukesh](#) on Thu, 11 Aug 2005 12:44:37 GMT

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Hello,

I am using IDL 6.1 for image analysis project. I am stuck at one place. I want to compute view-shed/line of sight but I have no Idea how to do it.

I understand that it would require DEM for the corresponding Image which would give me idea about the terrain and that two parameters are required.

1. To describe the elevations of an observer and of the objects to be observed (this would be obtained from the DEM).
2. To specify limits to the observer's visibility: horizontal directions of view, vertical directions of view, and distances between the observer and points to be viewed.

I would appreciate if someone would throw some light or point out, on how to compute viewshed/ line of sight for an Image using IDL.

With regards  
Sukesh Laghate

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