Subject: Crossections of surface data
Posted by zah on Tue, 03 Sep 1996 07:00:00 GMT
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I have topographical data (80*80 array) and I need oblique crossectional
plots. I am just able to get orthogonal transsections: plot,data(*,n).
I have tried the slicer-widget but I failed because it wants volume data.

with kind regards,

Rainer Zah
EAWAG Duebendorf
Switzerland

Subject: Re: Crossections of surface data
Posted by PREUSSER on Sat, 14 Sep 1996 07:00:00 GMT
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In article <zah-0309961729280001@macrz23.emp-eaw.ch>, zah@eawag.ch (Rainer Zah) wrote:

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> plots. I am just able to get orthogonal transsections: plot,data(*,n).
> I have tried the slicer-widget but I failed because it wants volume data.
>
Hello,
xfarbe is a program for visualizing 2D-arrays with the following
main characteristics:

- Nonlinear interpolation with bicubics on a rectangular grid
- Computation of contour lines, piecewise on the rectangular cells
- Location of maxima, minima and saddle points from the bicubics
- Optional area filling with colors or patterns between the contours
- Output to X-displays and to Postscript files
- Detailed customization with resource file
- Interactive labeling of contour lines
- Interactive data probing for value and derivatives
- Placing of symbols according to information from a file
** - Computation of profiles across the rectangular grid **

You get it from my homepage (See below), or from netlib in the
graphics subdirectory, for instance:
http://netlib.att.com/netlib/graphics/xfarbe.taz.uu.Z
xfarbe will compile and run on any Unix system with the Athena Widget
Library installed.

xfarbe will write the profiles to a file, which can be viewed with
IDL or PV-Wave. A routine for doing that is included in the xfarbe-

files.

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http://www.fhi-berlin.mpg.de/~grz/pub/preusser.html