Subject: Re: Streamlines with IDL?
Posted by tmg on Tue, 18 Oct 1994 14:25:53 GMT
View Forum Message <> Reply to Message

In article <37uu5q$cn7@news.mic.ucla.edu>, todd@artemis.ess.ucla.edu (Todd Ratcliff) says:
>
> In article <Cxu2LL.8C4@ngdc.noaa.gov>, tmg@etl.noaa.gov (Tom Georges) writes:
> |> Does anyone know where we could find an IDL program that would
> |> create streamlines from a velocity field? By "streamlines", we
> |> mean: continuous lines that are everywhere parallel to the
> |> flow field. The "streamlines" that are mentioned in RSI's IDL
> |> documentation are plots of arrows that indicate direction at
> |> discrete points in the field. We are interested in *continuous*
> |> lines.
> |>
> |> Thanks in advance for your help.
> |>
> |>
> |> _ /| Tom Georges tmg@etl.noaa.gov
> |> \'o.O' NOAA Environmental Technology Laboratory
> |> =(___)= Boulder, Colorado 80303 (303) 497-6437
> |> U
>
>
> Since you have the two components of velocity, can't you
> just calculate the stream function and then contour that?
>
> todd

Thanks for several responses to this post. I need to clarify
what we want. We don't have the velocity field, only the direction
field, so the streamline spacing won't indicate speed. Never-
theless, we want lines that are everyhwere perallel to the
gridded direction data. Thanks again.

_ /| Tom Georges tmg@etl.noaa.gov
\'o.O' NOAA Environmental Technology Laboratory
=(___)= Boulder, Colorado 80303 (303) 497-6437
U