
Subject: Re: Streamlining

Posted by [Robert Dahni](#) on Thu, 29 Mar 2001 01:51:33 GMT

[View Forum Message](#) <> [Reply to Message](#)

"Amara Graps" <Amara.Graps@mpi-hd.removethis.mpg.de> wrote in message
news:3AB8F8B4.F30A203C@mpi-hd.removethis.mpg.de...

> Vapuser wrote:

>>

>> Anyone have an good IDL streamlining code? Or know where I can get

>> some? I'll even entertain the notions of call_external/linkimage code.

>>

>

> Dear William,

>

> I honestly don't know if the following attached program

> ("test_strfield") is useful for you.

>

> The attached code is a bit old (circa 1993), but I just ran it under

> 5.4, and it runs fine. It's well-documented, however it has not been

> tested under different functions and datasets. It's not particularly

> elegant IDL programming style either, but it works.

>

> The code is simply the result of my own learning processes for how

> stream functions work. (I'm not sure the "proper way" that

> meteorologists conventionally define stream functions, maybe

> someone can tell me... but in a few weeks.)

I am currently looking at IDL 's ability to automatically plot "streamlines"
from the

wind field (u,v components) from a meteorologist's point of view.

I have used the procedures PARTICLE_TRACE, PLOTS and ARROW with success
(IDL V5.3 on Windows).

Take a look at this example

<http://www.metvis.com.au/graphics/streamline.jpg>.

Robert Dahni

Meteorologist, IDL Programmer

Bureau of Meteorology, Melbourne, AUSTRALIA

r.dahni@bom.gov.au
