Subject: Re: Empirical orthogonal function in IDL
Posted by David Fanning on Fri, 21 Dec 2012 22:43:48 GMT
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mkmvarma@gmail.com writes:

> Thanks, David. I looked it up and understand your code except the last part of the code where PC of mode 1. The array 'pc[mode-1,*]' has elements 2592 but the array 'years' has only 21 elements. Could you please explain me how we can plot a timeseries plot using the principal component array.

Well, that is the Wilks trick I mention in the article. I
probably didn't understand it well enough four years ago
when I wrote the article to explain it any better than
I did. I certainly don't remember the trick now! I would,
however, get over to the library and find that book. It
is a good one!

To prove to myself it worked, I programmed up the example
the slow way (25 minutes or so) and the fast way (half
a second). I do remember that the results were identical,
so I guess I trusted the result, even if I didn't understand
it completely. :-)

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")