Subject: array chicanery
Posted by nrh on Fri, 16 Nov 2001 00:11:04 GMT
View Forum Message <> Reply to Message

I've experienced some wierd business with arrays, and I'm hoping somebody can explain.
I have been using the IDL function PCOMP, calculating the pricipal components of some data.
If I feed in a float array to the function,
 eg.
 result=PCOMP(data,coefficients=eigenvectors,eigenvalues=eige
nvalues,/covariance,/standardize)

I get a result, but when I redisplay the data array, it has changed. Since PCOMP only returns a result, what is it doing to my original array, and why? There are no common variables, as far as I know, so the original data should not change. I apologise in advance if this is blindingly obvious, and of course, I can just make a copy of the original data into another variable to use later, I am just curious as to what is going on.
Any thoughts?

Cheers
--
 "For every complex problem, there is a solution that is simple, neat, and wrong."-H. L Mencken (1880-1956)

Rochelle Hatton