Subject: Re: moment functions with dimen keyword
Posted by Foldy Lajos on Thu, 20 Nov 2008 14:45:56 GMT
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On Thu, 20 Nov 2008, Paolo wrote:

> I have done the same last year with moment....
> and I am sure many others did! (to save execution
> time, I added a keyword maxmoment, such that it
> does not compute the kurtosis if I only need the average).

IDL 6.4's MOMENT has a MAXMOMENT keyword. Use the source, Luke!
(not the documentation :-)

regards,
lajos

```
; CALLING SEQUENCE:
;     Result = Moment(X)
;
;
; INPUTS:
;     X:      An N-element vector of type integer, float or double.
;
;
; KEYWORD PARAMETERS:
;     DOUBLE: IF set to a non-zero value, computations are done in
;         double precision arithmetic.
;
;     MDEV:   Use this keyword to specify a named variable which returns
;         the mean absolute deviation of X.
;
;     SDEV:   Use this keyword to specify a named variable which returns
;         the standard deviation of X.
;
;     MAXMOMENT:
;         Use this keyword to limit the number of moments:
;         Maxmoment = 1  Calculate only the mean.
;         Maxmoment = 2  Calculate the mean and variance.
;         Maxmoment = 3  Calculate the mean, variance, and skewness.
;         Maxmoment = 4  Calculate the mean, variance, skewness,
;                     and kurtosis (the default).
;
;     NAN:    Treat NaN elements as missing data.
;         (Due to problems with IEEE support on some platforms,
;          infinite data will be treated as missing as well. )
```