AHELP for CIAO 3.4   **get_lfactorial**   Context: sherpa

Jump to: Description Example Bugs See Also

Synopsis

Module function to compute the natural logarithm of the factorial of the input quantity

Syntax

```
Double_Type get_lfactorial(Double_Type)
```

Description

This function may be used, e.g., to convert the Cash statistic to the true Poisson log−likelihood in simulation scripts. The input number must be non−negative.

Example

Compute the natural log of 6 factorial:

```
sherpa> get_lfactorial(6)
6.57925
```

Bugs

See the Sherpa bug pages online for an up−to−date listing of known bugs.

See Also

chandra
    guide
sherpa
    bye, calc_kcorr, dataspace, dcounts, dollarsign, echo, eflux, eqwidth, erase, flux, get, get_dcounts_sum, get_dir, get_eflux, get_eqwidth, get_filename, get_flux2d, get_flux_str, get_mcounts_sum, get_pflux, get_source_components, get_verbose, groupbycounts, guess, is, journal, list, list_par, mcounts, numbersign, paramest, plot_eprof, plot_rprof, prompt, reset, run, set, set_analysis, set_axes, set_coord,

set_dataspace, set_dir, set_verbose, setplot, sherpa–module, sherpa_plotfns, sherpa_utils, show, simspec, use, version

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