SYSTATS

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SUMMARY

SYSTATS provides a functional interface to system statistics such as PageFaults, DiskIOTime, etc. Statistics are maintained in objects of type SYSTATS.   Functions are provided to fetch values from these objects, and to update the objects to reflect the current system state or to compute differences. This facility provides a Lyric alternative to the (undocumented) MISCSTATS functions in Koto.

DESCRIPTION

SYSTATSPROPS   [Variable]

A list of statistics maintained by SYSTATS. Changing it does **not** alter SYSTATS behavior.

(SYSTATSPROP *prop fromstats*)   [Function]

If *fromstats* is NIL, the internal SYSTATS object is updated and used.   Retuns the value of the statistic named by *prop*, which must be a member of the variable SYSTATSPROPS.
Caveat: The value returned is a FIXP which is an element of the *fromstats* object and which, for the sake of performance, is reused during a SYSTATSREAD on the *fromstats* object. Note that there is an implicit SYSTATSREAD on the internal SYSTATS object if *fromstats* is NIL.

(SYSTATSREAD *intostats fromstats*)   [Function]

If *intostats* is NIL, it is set to a newly created SYSTATS object. If *fromstats* is NIL, the internal SYSTATS object is updated and used.   Copies system statistics from *fromstats* into *intostats*. Retuns *intostats*.

(SYSTATSDIFF *oldstats newstats difstats*)   [Function]

If *oldstats* is NIL, the internal SYSTATS object is updated and used in its place. If *newstats* is NIL, the internal SYSTATS object is updated and used in its place. If *difstats* is NIL, it is set to a newly created SYSTATS object. Computes the statistics differences between *oldstats* and *newstats*, and places the results in *difstats*. Retuns *difstats*.

(CLOCKTICKS *interval timerunits*)   [Function]

Returns the (machine dependent!) number of internal clock ticks over the interval. For instance, on the D'Lion, (CLOCKTICKS 2.5 'MINUTES) = 5211900.