

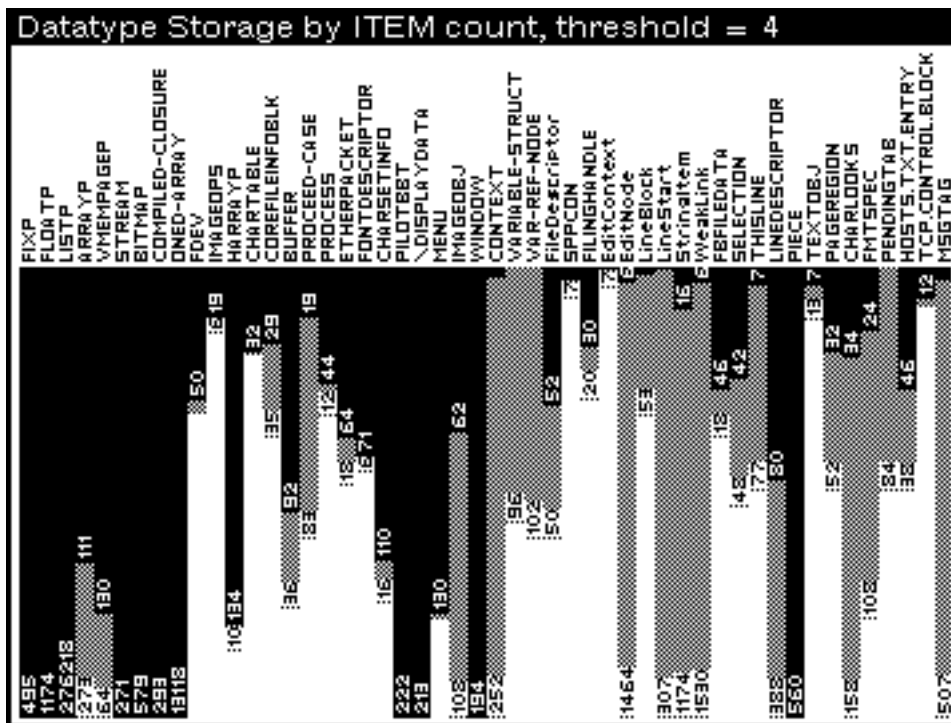
STORAGE

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STORAGE implements a bar-graph version of the Lisp STORAGE function, providing a visual summary of the amount of storage allocated to each data type.

(SHOWSTORAGE [PAGETHRESHOLD MODE ROTATION]) [Function]

Displays the storage allocation of Lisp data types in bar graph format:



All the arguments are optional. *PAGETHRESHOLD* is the same as for the STORAGE function and defaults to 1. *MODE* determines what to display and can be one of the following:

- ITEM** The number of items of each type that have been allocated (the default mode).
- PAGE** The number of pages allocated for each type.
- BOX** The number of times each type has been allocated (see BOXCOUNT in the IRM).

The mode can be changed when the window is open by clicking with the *middle* mouse button. Clicking in the window with the *left* mouse button will update the window. When the window is redisplayed (using the standard window menu or REDISPLAYW) it will add new data types that have been defined since the window was last redisplayed.

For the **ITEM** and **PAGE** modes, the black part of the bar represents the number of items or pages currently *in use*. The gray part of the bar represents the number of *free* items or pages. The total length of the bar represents the *total* number of items or pages.

The *ROTATION* argument can be one of **NIL** (use the rotation of the *SHOWSTORAGEFONT*), **0** (labels from bottom to top on the right, bars grow to the left) or **90** (labels from left to right and bars grow down).

The display is controlled by the following global variables:

SHOWSTORAGEWINDOWSIZE [Variable]

The width or height (depending on the rotation) of the window, initially 275 (pixels). The bars truncate at the edge of the window; the window can be reshaped to put the longer bars in perspective.

SHOWSTORAGEIGNORE [Variable]

A list of data types to ignore. The information for the data types initially on this list is incorrect and/or their inclusion breaks the program.

SHOWSTORAGEDEFAULTTHRESHOLD [Variable]

The default threshold used when *PAGETHRESHOLD* is *NIL*, initially 1 (page).

SHOWSTORAGEPRIN2FLG [Variable]

Flag that causes *PRIN2* to be used instead of *PRIN1* when printing data type names (*PRIN2* will include package names), initially *NIL*.

SHOWSTORAGEFONT [Variable]

The window font, initially one of Helvetica 5 through 10, i.e. the smallest that can be found when the file is loaded. The default font has a rotation of 90 degrees.