

File created: 29-Mar-95 11:53:28 {DSK}<lispcore>sources>MAPATOMS.;2

changes to: (FNS MAPATOMS)

previous date: 29-Mar-95 10:47:32 {DSK}<lispcore>sources>MAPATOMS.;1

Read Table: XCL

Package: INTERLISP

Format: XCCS

(RPAQQ MAPATOMSCOMS ((FNS MAPATOMS)))

(DEFINEQ

(MAPATOMS

(LAMBDA (FN

; Edited 29-Mar-95 11:52 by sybalsky

;; 8-FEB-92 JDS: We now switch over into big-atom mode at 12288 (changes in \CREATE.SYMBOL should be lected here)

(PROG ((A 0)

(DTD (\GETDTD \NEW-ATOM)))

(|for| |old| A |from| 0 |to| (IMIN |\AtomFrLst| 12286) |do| (APPLY* FN (\INDEXATOMPNAME A)))

(COND

((IGREATERP |\AtomFrLst| 12286)

(LET* ((SIZE (|fetch| DTDSIZE |of| DTD))

(ATOM# A)

(FIRSTFREE (|fetch| DTDFREE |of| DTD))

(LASTFREE (|create| POINTER

PAGE# _ (LOGAND (|fetch| (POINTER PAGE#) |of| FIRSTFREE)
65534)))

(LASTFREE2 (|create| POINTER

PAGE# _ (ADD1 (LOGAND (|fetch| (POINTER PAGE#) |of| FIRSTFREE)
65534))))

RESULT FIRSTPAGE LASTPAGE LIMIT)

(COND

((.ALLOCATED.PER.PAGE.SIZE)

(SETQ LASTPAGE (SUB1 |\PagesPerMDSUnit|))

(SETQ LIMIT WORDSPERPAGE))

(T (SETQ LASTPAGE 0)

(SETQ LIMIT (FOLDLO |\MDSIncrement| |\PagesPerMDSUnit|)))

(|for| MDSPAGE# |from| 0 |by| (ADD1 LASTPAGE) |while| (<= MDSPAGE# \MAXVMPAGE)

|when| (EQ (MDSTYPE# MDSPAGE#)

\NEW-ATOM)

|do| ;; Now collect all pointers not on free list. This code parallels \INITMDSPAGE

(|for| N |from| 0 |to| LASTPAGE

|do| (SETQ FIRSTPAGE (|create| POINTER

PAGE# _ (IPLUS N MDSPAGE#)))

(|for| (DISP _ 0) |while| (<= (|add| DISP SIZE)

LIMIT)

|as| (DATUMBASE _ FIRSTPAGE) |by| (\ADDBASE DATUMBASE SIZE)

|when| (OR (AND (NEQ FIRSTPAGE LASTFREE)

(NEQ FIRSTPAGE LASTFREE2))

(|for| (FREE _ FIRSTFREE) |by| (\GETBASEPTR FREE 0) |while| FREE

|never| (EQ DATUMBASE FREE)))

|do| (APPLY* FN DATUMBASE)

(|add| ATOM# 1)))

NIL))))))

)

FUNCTION INDEX

MAPATOMS1
