

File created: 26-Jan-90 11:46:56 {DSK}/home/neptune/jds/FASTINIT.;1

changes to: (VARS FASTINITCOMS)
(FNS FASTSETAW FASTSETA FASTELTW FASTELT)

Read Table: XCL

Package: INTERLISP

Format: XCCS

```
(RPAQQ FASTINITCOMS ( ;; Function definitions for the "fast" array accessors used in making the INIT.  
                        ;; <...>Library>VMEM defines these as ELT & SETA, which aren't too fast.  
                        ;; This is an attempt to speed up INIT building on Suns. --JDS 1/26/90  
                        (FNS FASTELT FASTELTW FASTSETA FASTSETAW)))
```

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;; <...>Library>VMEM defines these as ELT & SETA, which aren't too fast.  
;; This is an attempt to speed up INIT building on Suns. --JDS 1/26/90
```

```
(DEFINEQ
```

```
(FASTELT
```

```
(LAMBDA (A N)
```

```
;; Fast version of pointer-array ELT, for use in building INIT.
```

```
(PROG ((BASE (|fetch| (ARRAYP BASE) |of| A))  
      (NO (IDIFFERENCE N (|fetch| (ARRAYP ORIG) |of| A))))  
      (SETQ NO (IPLUS NO (|fetch| (ARRAYP OFFST) |of| A)))  
      (RETURN (\\GETBASEPTR (\\ADDBASE2 BASE NO)  
              0))))
```

```
; Edited 26-Jan-90 11:39 by jds
```

```
(FASTELTW
```

```
(LAMBDA (A N)
```

```
(PROG ((BASE (|fetch| (ARRAYP BASE) |of| A))  
      (NO (IDIFFERENCE N (|fetch| (ARRAYP ORIG) |of| A))))  
      (SETQ NO (IPLUS NO (|fetch| (ARRAYP OFFST) |of| A)))  
      (RETURN (\\GETBASE BASE NO))))
```

```
; Edited 26-Jan-90 11:40 by jds
```

```
(FASTSETA
```

```
(LAMBDA (A N V)
```

```
;; Fast version of SETA for pointer arrays for the INIT building code.
```

```
(PROG ((BASE (|fetch| (ARRAYP BASE) |of| A))  
      (NO (IDIFFERENCE N (|fetch| (ARRAYP ORIG) |of| A))))  
      (SETQ NO (IPLUS NO (|fetch| (ARRAYP OFFST) |of| A)))  
      (RETURN (\\RPLPTR (\\ADDBASE2 BASE NO)  
              0 V))))
```

```
; Edited 26-Jan-90 11:41 by jds
```

```
(FASTSETAW
```

```
(LAMBDA (A N V)
```

```
;; Fast version of SETA for word-arrays, for INIT building code.
```

```
(PROG ((BASE (|fetch| (ARRAYP BASE) |of| A))  
      (NO (IDIFFERENCE N (|fetch| (ARRAYP ORIG) |of| A))))  
      (SETQ NO (IPLUS NO (|fetch| (ARRAYP OFFST) |of| A)))  
      (RETURN (\\PUTBASE BASE NO V))))
```

```
; Edited 26-Jan-90 11:42 by jds
```

```
)
```

FUNCTION INDEX

FASTELT1 FASTELOW1 FASTSETA1 FASTSETAW1
