

File created: 28-May-86 19:18:20 {POGO:PARC:XEROX}<LOOPS>USERS>CACHEOBJECT.;2

previous date: 24-Mar-86 18:05:56 {POGO:PARC:XEROX}<LOOPS>USERS>CACHEOBJECT.;1

Read Table: OLD-INTERLISP-FILE

Package: INTERLISP

Format: XCCS

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```
(RPAQQ CACHEOBJECTCOMS ((* File created by LANNING)
  (CLASSES ObjectWithCache)
  (METHODS ObjectWithCache.ClearCache ObjectWithCache.ClearCacheEntry
    ObjectWithCache.GetCache ObjectWithCache.PutCache)
  (FNS)
  (VARS)
  (INSTANCES)))

(* * File created by LANNING)

(DEFCLASSES ObjectWithCache)

(DEFCLASS ObjectWithCache (MetaClass Class Edited: (* sml "24-Mar-86 16:31"))
  (Supers Object)
  (InstanceVariables (cache NIL doc (* Holds cached values in an ALIST on the IV)
    DontSave Any)))

(METH ObjectWithCache ClearCache NIL
  (* * Clear the cache)
)

(METH ObjectWithCache ClearCacheEntry (name)
  (* * Clear a cache entry)
)

(METH ObjectWithCache GetCache (name)
  (* * Try to get a datum from the cache)
)

(METH ObjectWithCache PutCache (name datum)
  (* * Add an item to the cache)
)

(DEFINEQ
(ObjectWithCache.ClearCache
  (Method ((ObjectWithCache ClearCache)
    self) (* sml "24-Mar-86 16:27")
    (* * Clear the cache)
    (change (@ cache)
      NIL)))

(ObjectWithCache.ClearCacheEntry
  (Method ((ObjectWithCache ClearCacheEntry)
    self name) (* sml "24-Mar-86 16:29")
    (* * Clear a cache entry)
    (change (@ cache)
      (DELASSOC name DATUM))))

(ObjectWithCache.GetCache
  (Method ((ObjectWithCache GetCache)
    self name) (* sml "24-Mar-86 16:30")
    (* * Try to get a datum from the cache)
    (LET [(value (ASSOC name (@ cache)
      (if value
        then (CDR value)
        else NIL)))]
```

(ObjectWithCache.PutCache

(Method ((ObjectWithCache PutCache)
self name datum)

(* sml "24-Mar-86 16:31")

(* * Add an item to the cache)

```
[LET [(value (ASSOC name (@ cache)
(COND
(value (RPLACD value datum))
(T (push (@ cache)
(CONS name datum]
datum))
```

)

(PUTPROPS **CACHEOBJECT COPYRIGHT** ("Xerox Corporation" 1985 1986))

FUNCTION INDEX

ObjectWithCache.ClearCache	1	ObjectWithCache.GetCache	1
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