

File created: 2-Jun-86 18:57:24 {PHYLUM}<LANNING>LOOPS>LOOPS-TIMING.;4

changes to: (METHODS Timing.NewTest)
(VARS LOOPS-TIMINGCOMS)
(FNS Timing.NewTest Run-timing)

previous date: 28-May-86 14:41:49 {PHYLUM}<LANNING>LOOPS>LOOPS-TIMING.;3

Read Table: OLD-INTERLISP-FILE

Package: INTERLISP

Format: XCCS

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(RPAQQ **LOOPS-TIMINGCOMS**

```
(( * File created by LANNING)
 (CLASSES Timing)
 (METHODS Timing.NewTest Timing.Test)
 (FNS Run-timing)
 (VARS (*Timing-Inst* (_ ($ Timing)
                        New)))
 (GLOBALVARS *Timing-Inst*)
 (ADDVARS (GLOBALVARS *Timing-Inst*))
 (INSTANCES)
 (MACROS Time-it)))
```

(* * File created by LANNING)

(DEFCLASSES Timing)

```
[DEFCLASS Timing (MetaClass Class Edited:
 (Supers Object)
 (ClassVariables (cv1 cv1 doc
 (InstanceVariables (iv1 iv1 doc
 (iv2 iv2 doc
 (iv3 iv3 doc
 (* edited: "28-May-86 13:25")
 (* cv1 doc))
 (* iv1 doc)
 (* iv2 doc)
 (* iv3 doc])
```

```
(METH Timing NewTest (x y z)
)
(* New method template)
```

```
(METH Timing Test NIL
)
(* New method template)
```

(DEFINEQ

(Timing.NewTest

```
(Method ((Timing NewTest)
 self x y z)
 self))
(* sml " 2-Jun-86 13:42")
(* New method template)
```

(Timing.Test

```
(Method ((Timing Test)
 self)
 self))
(* edited: "28-May-86 13:26")
(* New method template)
```

)

(DEFINEQ

(Run-timing

```
[LAMBDA (file)
(* sml " 2-Jun-86 13:50")
```

(* * Run a bunch of timing tests)

```
(DRIBBLE (OR file (PROMPTFORWORD "Dribble file name?")))
(Time-it "Basic loop" T)
(Time-it "Global variable fetch" *Timing-Inst*)
(Time-it "Fetching a field from a datatype" (fetch iDescrs of *Timing-Inst*))
(PutValue *Timing-Inst* (QUOTE iv3)
 NotSetValue)
(Time-it "Inherited GetValue" (GetValue *Timing-Inst* (QUOTE iv3)))
(PutValue *Timing-Inst* (QUOTE iv3)
 "Local value for iv3")
(Time-it "Local GetValue" (GetValue *Timing-Inst* (QUOTE iv3)))
(Time-it "Local PutValue" (PutValue *Timing-Inst* (QUOTE iv3)
 "Local value for iv3"))
(Time-it "Get inherited IV prop" (GetValue *Timing-Inst* (QUOTE iv3)
 (QUOTE doc)))
(PutValue *Timing-Inst* (QUOTE iv3)
 (QUOTE test)
 "Local property value")
(Time-it "Put IV prop" (PutValue *Timing-Inst* (QUOTE iv3)
```

```

                (QUOTE test)
                "Local property value"))
(Time-it "Function call" (Timing.Test *Timing-Inst* 1 2 3))
(Time-it "Message send" (_ *Timing-Inst* NewTest 1 2 3))
(DRIBBLE])
)
(RPAQ *Timing-Inst* (_ ($ Timing)
                    New))
(DECLARE: DOEVAL@COMPILE DONTCOPY
(GLOBALVARS *Timing-Inst*)
)
(ADDTOVAR GLOBALVARS *Timing-Inst*)
(DECLARE: EVAL@COMPILE

(DEFMACRO Time-it (doc-string form)
  (BQUOTE (PROGN (printout NIL T , doc-string T .PPF (QUOTE , form)
                T)
                (TIMEALL , form 10000)
                (printout NIL T))))
)
(PUTPROPS LOOPS-TIMING COPYRIGHT ("Xerox Corporation" 1986))
```

FUNCTION INDEX

Run-timing1 Timing.NewTest1 Timing.Test1

MACRO INDEX

Time-it2

VARIABLE INDEX

Timing-Inst2
