```
(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:                    (* edited: "28-May-86 13:25"))
        (Supers Object)
        (ClassVariables (cv1 cv1 doc                         (* cv1 doc)))
        (InstanceVariables (iv1 iv1 doc                      (* iv1 doc))
                (iv2 iv2 doc                                 (* iv2 doc))
                (iv3 iv3 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)                                        (* smL " 2-Jun-86 13:42")
                                                             (* New method template)

                   self))
```

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

              self))
)

(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))
```

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