

File created: 15-Aug-90 16:11:21 {DSK}<usr>local>lde>SOURCES>loops>LIBRARY>GAUGEBOUNDEDMIXIN.;2

changes to: (VARS GAUGEBOUNDEDMIXINCOMS)

previous date: 23-Feb-88 23:01:45 {DSK}<usr>local>lde>SOURCES>loops>LIBRARY>GAUGEBOUNDEDMIXIN.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

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```
(RPAQQ GAUGEBOUNDEDMIXINCOMS ((DECLARE%: DONTCOPY (PROP MAKEFILE-ENVIRONMENT GAUGEBOUNDEDMIXIN))
                               (CLASSES BoundedMixin)
                               (METHODS BoundedMixin.ComputeDisplayVal BoundedMixin.OutOfBounds)))

(DECLARE%: DONTCOPY

(PUTPROPS GAUGEBOUNDEDMIXIN MAKEFILE-ENVIRONMENT (:PACKAGE "IL" :READTABLE "INTERLISP" :BASE 10)
)

(DEFCLASSES BoundedMixin)

(DEFCLASS BoundedMixin (MetaClass AbstractClass Edited%: (* RBGMartin " 7-Apr-86 15:22")
                  doc "For use as a mixin for Instruments. Computes a bounded scale for displayVal")
  (Supers Object))

(\BatchMethodDefs)

(METH BoundedMixin ComputeDisplayVal (reading)
  "dgb: 26-JAN-83 17:09"
  (category (BoundedMixin)))

(METH BoundedMixin OutOfBounds (outFlg)
  "Print ? if out, space other wise"
  (category (BoundedMixin)))

[Method ((BoundedMixin ComputeDisplayVal)
  self reading) ; edited: 22-May-86 14:48
  "dgb: 26-JAN-83 17:09" ;|
  (PROG [(boundedReading (PinnedSetting reading (@ inputLower)
                                               (PLUS (@ inputLower)
                                                    (@ inputRange] (* Set up indicator in upper left if out of bounds)
  (_ self OutOfBounds (NEQ reading boundedReading))
  (RETURN (_Super
           self ComputeDisplayVal boundedReading])

[Method ((BoundedMixin OutOfBounds)
  self outFlg) ; edited: 27-Jan-87 11:37
  "Print ? if out, space other wise"
  (LET* ((font (@ font))
         (strWidth (STRINGWIDTH "??" font))
         (leftPos (IDIFFERENCE (InteriorWidth self)
                               strWidth))
         (window (@ window)))
    (COND
      (outFlg (MOVETO leftPos 1 window)
              (PRIN1 "??" (@ window)))
      (T (BITBLT NIL NIL NIL window leftPos 0 strWidth (FONTHEIGHT font)
                'TEXTURE
                'REPLACE WHITESHADE]

(\UnbatchMethodDefs)

(PUTPROPS GAUGEBOUNDEDMIXIN COPYRIGHT ("Venue & Xerox Corporation" 1986 1987 1988 1990))
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PROPERTY INDEX

GAUGEBOUNDEDMIXIN1
