

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

```
::  
;;  
;; Copyright (c) 1986, 1987, 1988, 1990 by Venue & Xerox Corporation. All rights reserved.
```

```
(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" ;l  
  (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))
```

PROPERTY INDEX

GAUGEBOUNDEDMIXIN1
