Package ‘tkrplot’

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Description Simple mechanism for placing R graphics in a Tk widget.
Title TK Rplot
Depends R (>= 2.13), grDevices, tcltk
License GPL
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R topics documented:

<table>
<thead>
<tr>
<th>TkRplot</th>
<th>Tk Rplot</th>
</tr>
</thead>
</table>

Index

Description

Placing R graphics in a Tk image.

Usage

```r
tkrplot(parent, fun, hscale=1, vscale=1)
tkrreplot(lab, fun = lab$fun, hscale=lab$hscale, vscale=lab$vscale)
tkpersp(x,y,z, theta = 30,phi = 30,expand = 0.5, r = sqrt(3), ...)
```
Arguments

- `parent`: parent of widget window
- `fun`: function of no arguments that creates the plot
- `lab`: a Tk Rplot label widget
- `hscale`: horizontal scale factor for image size
- `vscale`: vertical scale factor for image size
- `x`, `y`, `z`, `theta`, `phi`, `expand`, `r`, `...`: additional arguments for `persp`

Details

The function `tkrplot` creates and returns a Tk label widget containing a Tk image of type Rplot. For now the size is hard-wired. The plot is created by calling `fun` with a special device used to create the image.

The function `tkrreplot` calls `fun` to place a new plot in the Rplot widget `lab`.

`tkpersp` is called like `persp` but produces a plot in which some of the parameters of `persp` are controlled graphically.

Examples

```r
## Not run:
## These cannot be run by examples() but should be OK when pasted
## into an interactive R session with the tcltk package loaded

tt <- tktoplevel()
b <- 1
img <- tkrplot(tt, function() plot(1:20,(1:20)^bb))
f <- function(...) {
  b <- as.numeric(tclvalue("bb"))
  if (b != bb) {
    bb <- b
    tkrreplot(img)
  }
}
s <- tkscale(tt, command=f, from=0.05, to=2.00, variable="bb",
             showvalue=FALSE, resolution=0.05, orient="horiz")
tkpack(img,s)

## End(Not run)
```
Index

* misc
  TkRplot, 1

tkpersp (TkRplot), 1
TkRplot, 1
tkrplot (TkRplot), 1
tkrreplot (TkRplot), 1