1 choose_file GUI

1.1 Introduction

The `choose_file` GUI is used to select and open input files. It contains the following three lines:
- *Filename* button and spinbox widget
- *Directory* button and entry widget
- *Glob Filter* entry widget

If you are already in the desired directory then the spinbox may be all you need. The *file selection dialog* GUI can be used to select both the directory and the file. The *directory (folder) selection dialog* GUI is useful when the directory contains many files matching the filter.

The `choose_file` GUI is defined by the file `choose_file.tcl`.

1.2 Instructions

1. If any field is too narrow then resize the window by dragging its edge.

2. Select an input file using any of the following:
   - Type into any of the three entry fields.
   - Press the `Filename` button to use the *file selection dialog* GUI.
   - Press the `Directory` button to use the *directory (folder) selection dialog* GUI.
   - Click on the spinbox arrows (or press the keyboard up/down keys) to spin through the files matching the filter.

3. Press the `Open` button to open the file. This can also be done by pressing the `Enter` (a.k.a. `Return`) key in the `Filename` entry field.

1.3 Usage

The following `choose_file` command creates a new temporary GUI window, accepts input from the user and then returns (as the result) the pathname of the specified input file:

`choose_file` ?*parent*? ?*filter*? ?*geometry*?

  parent: Parent window (default: `"."`)
  filter: Initial glob filter (default: `"*"`)
  geometry: Value as follows (default: `"NW"`):
      `""` : Pack in parent (If parent is `""` then create toplevel anywhere)
      `"NE"` : North-west corner of toplevel at north-east corner of parent (cannot be `""`)
      `"NW"` : North-west corner of toplevel at north-west corner of parent (cannot be `""`)
      `"SE"` : North-west corner of toplevel at south-east corner of parent (cannot be `""`)
      `"SW"` : North-west corner of toplevel at south-west corner of parent (cannot be `""`)
      other: Normal Tk geometry string. If parent is `""` then pack in it, else ignore parent.