

# 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.