

pfiddler

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A pedigree coordinates ‘fiddler’

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Version 0.5

Abstract

pfiddler is a modified version of *graphedit* of **Pedpack**-v2.2 that allows editing *pedc* files (a small modification of the pedigree coordinates file as defined in **Pedpack**-v2.2). It is part of the **Pedfiddler** suite of programs for pedigree drawing.

1 Synopsis

pfiddler [*pedcfile*]

2 Description

pfiddler is a pedigree coordinates editor for working on files in *pedc* format. The coordinates can be moved in more ways than in its predecessor. In addition, *editpedc* allows colour editing of icons.

3 Pointer usage

Button one is used to move nodes (marriages or individuals).

Button two is used to move the selected node and all nodes below it.

Button three is used to select the colour of icon for the selected individual.

4 Menus

When starting *pfiddler*, it will pop up a window with a menu bar. The items in this menu bar are:

- File** *Open* allows you select and open a *pedc* file.
Import allows you gather data form a **Pedpack**-2.2 file or an ascii list.
Save writes the contents of the buffer to the file with the same name.
Save As lets you select a name and saves the buffer to a file with that name.
Export pedpack writes a file in **Pedpack**-2.2 format.
Import labels matches the first field in a row with the ID, then the remaining fields are assigned to the label.
Make eps creates an EPS file that can be printed or included in documents.
Quit exits *pfiddler*.
- Edit** *Remove* allows you to remove families, individuals, and/or marriages.
colours allows you to set one colour for the entire pedigree or to propagate downwards or upwards the colour of any specific individual. Also, logical *Or* and *And* can be applied to the colour propagation.
Tidy ‘tidies’ the pedigree.
Align ‘aligns’ individuals and/or marriages that may be horizontally mis-aligned to a small extent.
Annealing tries to improve the looking of the graph by simulated annealing. Four variables are taken in account for the energy function: expansion, contraction, edges length and sibship aggregation. Just be careful with the proposed weights for those variables to avoid core dumps.
Wipe labels
- Motion** *Free* allows you to move nodes in any direction.
Horizontal allows to move nodes only horizontally.
Vertical allows to move nodes only vertically.
Rounding the motion of nodes behaves as in *editpedc*. Nodes are aligned by generation.

5 Version

Version: 0.5 of August 16, 2005

6 Acknowledgments

As part of the **Pedfiddler** suite, *pfiddler* uses a modified subset of files from the publicly available version of **Pedpack**. Also, it makes use of the GNU library **fltk** (<http://fltk.easysw.com>). Bugs and pitfalls in *pfiddler* are solely the responsibility of J C. Loredó-Ostí and Kenneth Morgan.

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