

LinktoolGeneral

Linktool is a program for the manipulation of knots, links, and tangles. It consists of three programs brought together into a single interface. The programs were ported to the NeXT and modified to work together by David Broman.

link_edit by Toby Orloff

This is a link-entering program. The user enters a link by clicking out line-segments which form the strands, with the mouse. This appears in *linktool* in the Edit Window which pops up immediately when the program begins. The features and commands for this program appear under the File, Edit, Point, Strand, and View menus.

readlink by Charlie Gunn, with additions by David Broman

This is a link and tangle display program, which can be invoked from commands under the Display menu, and which draws its output in the Display Window. It can be used to display a link entered by the user in the Edit Window ("Redraw" submenu item), links or tangles stored in files in matrix notation ("Load files"), or links or tangles whose names are given in Conway's notation by the user ("Conway notation").

conway_translate by David Broman

This program takes Conway's notation for a link or tangle and creates matrix notation for it, which can then be read into *readlink*. This is run whenever the user enters Conway notation, just before

readlink is invoked.

Linktool was written on a NeXT with operating system 2.1. For further information (such as source code), the author can be reached at Rice University (until summer, 1993) via e-mail to davbro@rice.edu.