



KnotsBag is a vector graphics software based on graphs. With KnotsBag, you can design knotwork (or other drawings) very easily and very quickly. Parameters of generated Bézier curves are so many that you have the opportunity to create anything else than knotwork !

I wanted to develop this software after reading the paper "Celtic knotwork" of **Christian MERCAT**, Scientific American "Exotic mathematics", April 2005. I do recommand to visit his website : <http://www.entrelacs.net/> .

#### A - How to buy ?

To order a license number (personal registration code) for KnotsBag :

- 1- you can use **Paypal** on the website <http://perso.wanadoo.fr/hypatiasoft> (10 €)
- 2 -you can make a cheque of 15 € (10 € for France)
- ( bad surprise for me, bank charges are 4,75 € for an european cheque in euros !!! )
- (28 \$ for USA because of the bank charges : 12.5 € !!! )
- to Mr Géraud BOUSQUET and send to the following address :

Géraud BOUSQUET  
2 place de la comédie  
93 160 NOISY LE GRAND  
(FRANCE)

Your license number will be sent you by email (don't forget to mention your email address!)

To contact me : geraud.bousquet AT wanadoo.fr (AT : @ anti-spam)

#### B - Configuration.

**Macintosh** : KnotsBag runs with MacOS 9,10.2.8 ,10.3, 10.4 and above. G3, G4,G5 and Intel.

**Linux** : " Linux applications run on only on x86 machines and REALbasic desktop applications require GTK+ 2.0 or above (which has its own requirements, such as GDK, Pango, Atk, etc.). Depending on your distribution of Linux, you may not already have this pre-installed. However, you can download and install the GTK+ 2.0 libraries from <http://www.gtk.org>. You may also find pre-built libraries from your Linux distributor's home page or GTK may be included on your distribution CD as an optional install item."

**Windows** : Windows 98, ME, NT, 2000, or XP

#### C - Installation.

- Mac :

- 1 - unripp the file "KnotsBag\_X\_ Classic.zip" (or "KnotsBag\_X\_UB.dmg.zip)
- ( 2 - mount the image disk (only for universal version) )
- 3 - drag the folder "KnotsBag X\_ Classic" (or "KnotsBag\_X\_UB) into your "Applications" folder.

- Linux :

- 1 - unripp the file "KnotsBag\_Linux.zip"
- 2 - drag the folder "KnotsBag\_Linux" into your hard drive.

- Windows :

- 1 - unripp the file "KnotsBag\_Windows..zip"
- 2 - drag the folder "KnotsBag\_Windows" into your hard drive.

To learn to use KnotsBag, you can download the tutorial : <http://perso.wanadoo.fr/hypatiasoft/>

#### What's new in release 1.8 ?

- availability for Mac (9 & X, PoxerPC and Intel), Linux and Windows
- a vector export in **SVG** to open the drawings perfectly in **INKSCAPE** and in the **GIMP** two open source programs (<http://www.inkscape.org> and <http://www.gimp.org>)
- two options for the **SVG** export : "**full drawing**" and "**pattern only**"
- an "**Undo/Redo**"
- a "weaving loom" tool to make fabrics
- a "tiling" tool to make wallpapers, fabrics and patterns
- Sierpinski' s polygons (fractal plygons)
- a new option "Torsion"
- a new colorwheel (faster)
- possibility to change the language (english, french, spanish and **welsh**)
- a new **tutorial with examples**
- a faster calculation with a window

#### What's new in release 1.7 ?

- availability for Mac ,Linux and Windows
- a new graphical interface
- six new links to make knotworks with an odd number of strips (e.g. braids)
- a new Knotwork type "Encapsulation" with a dual graph
- new possibilities with the Bézier curves (an other delta for the "-" link (blue),now "T" and "L" links are independant ...)
- possibility to modify severally the color of each strip of each loop clicking on corresponding color
- you can drag and drop the colors into the palette (Mac only)
- possibility to change the language ( "English", "French" and "Spanish") and the font size "on the fly"
- a new "open recent " menu
- possibility to open the tutorial from the application (menu "Help"; for this you have to download the tutorial and put it in the parent folder of "KnotsBag")
- possibility to save the preferences (language, colors, ...)

#### What's new in release 1.6 ?

- possibility to copy/paste/move/rotate/translate... a selection or all the graph
- possibility to import the style of another file generated by KnotsBAg (parameters of Bézier's curves, colors...)
- a new way "auto" to calculate angles (softer curves )
- possibility to make colour gradations in strips
- possibility to modify severally the color of each strip clicking on corresponding color
- a new layer "shades" (when delta=0) to make shades easily in Illustrator
- possibility to draw apexes to make quickly patterns...
- possibility to change the screen color
- a new option "Waving"