

NAME

libspiro - A clothoid to bezier spline converter

SYNOPSIS

#include <spiroentrypoints.h> and then compile and link with **-lspiro**

DESCRIPTION

Spiro library for curve design which simplifies drawing of beautiful curves.

libspiro takes an array of spiro control points which can be easier for an artist to create and modify, and then converts these into a series of bezier splines which can then be used in the myriad of ways the world has come to use beziers.

spiroentrypoints.h has technical information on how to connect with *libspiro* and further information and example code can be found at <http://github.com/fontforge/libspiro>

REPORTING PROBLEMS

Before reporting a problem, please check the libspiro web site to verify that you have the latest version of *libspiro*

Great care was taken to maintain backwards compatibility so it is recommended to upgrade if you experience problems with earlier *libspiro* versions.

LIBSPIRO LICENSE

libspiro originated from spiro code (in 2007) found in **ppedit** which is a pattern plate editor for Spiro splines. **ppedit** was/is Copyright (C) 2007 Raph Levien. GNU GPL version 2 or higher. **ppedit** was later relicensed also as Apache-2 MIT code in May of 2019. This relicensing is fine since all **ppedit** was written by Raph Levien in 2007. Copyright allows for this. Unfortunately, this re-licensing of **ppedit** has caused some confusion in assuming that this relicensing also applies to **libspiro** which is not valid and does not apply.

libspiro was based on **ppedit** spiro code from 2007 (which was GNU GPL2 version 2 or higher) and built into a usable library at <http://libspiro.sourceforge.net/> Copyright (C) 2007 George Williams. GNU GPL version 2 or higher. This license also applies to the included Java files which have been forked into javascript and typeset files seen elsewhere.

libspiro was later picked up in 2013 and continued with further development and improvements at <http://github.com/fontforge/libspiro>

libspiro is now Copyright (C) 2013... as GNU GPL version 3 or higher.

AUTHORS

Please see *AUTHORS* file for everyone involved in creating and improving this *libspiro*

Further details (on why and what) can also be seen in git history as well as the Changelog and README files.