

## Category

[Curve Fitting](#)  
[Data Acquisition](#)  
[Data Exploration](#)  
[Export](#)  
[Graphing](#)  
[Image Processing](#)  
[Import](#)  
[Interprocess Communication](#)  
[Mathematics](#)  
[Other](#)  
[Programming](#)  
[Signal Processing](#)  
[Spectroscopy](#)  
[Statistics](#)  
[Worksheet Manipulation](#)

## File Submission

[Submit Files](#)  
[Update Files](#)  
[Guidelines](#)  
[Add New Category](#)

## Search:

## File Exchange > Category:Signal Processing

&gt;

### Envelope Curves

<b>Author:</b>	OriginLab Corporation	<b>Date Added:</b>	4/20/2003
<b>Downloads:</b>	1010	<b>Last Update:</b>	6/29/2004
<b>Total Ratings:</b>	3	<b>File Size:</b>	25674 Bytes
<b>Average Rating:</b>	★★★★☆	<b>File Name:</b>	Envelope.OPK
<b>Created Using:</b>	Origin 7.5	<b>File Version:</b>	1.0
<b>Working Versions:</b>	7.5		
<b>License:</b>	Free		

#### Summary:

To compute upper and lower envelope curves for a data plot.

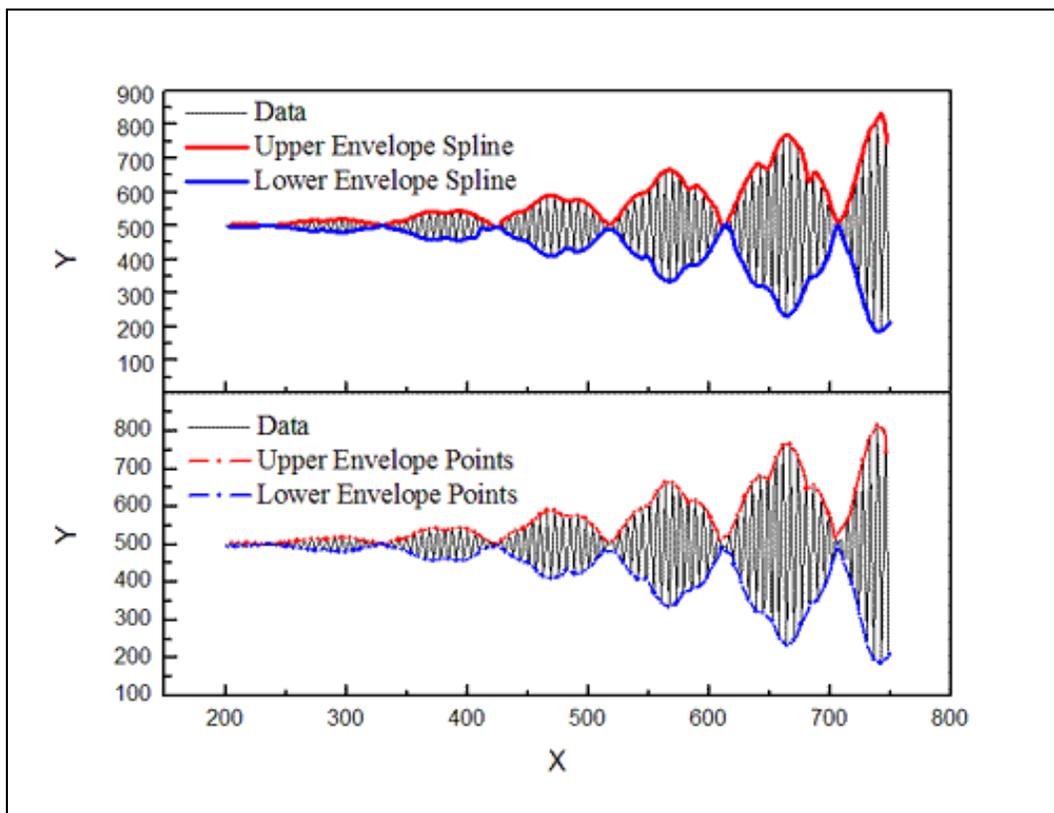
#### Description:

This OPK (Origin Pack File) contains an Origin Project called Envelope.OPJ and an Origin C function file called Envelope.c  
 Drag-and-drop the OPK file onto Origin to extract the files.

The Envelope.c function computes upper and lower envelope points for a specified y dataset (curve). The points are then used to compute smooth spline lines for the two envelope curves. Results are stored in a worksheet in the project called Envelope.

Further instructions are provided in a notes window inside the project.

#### Screen Shot:



### Reviews:

Rated by: **Karoui**

Date: (8/3/2005 12:18:31 AM)

Seems to be interesting. But poor explanation as how to use it for other data set. Thank you for providing this to the users.

Rated by: **sseb22**

Date: (3/22/2004 9:10:24 AM)

This pack file could have been really useful to me at work has it been compatible with Origin 6.1. I tested it at home

Rated by: **agjaz**

Date: (6/4/2003 8:00:03 AM)

### Submit Your Own Review

Please use this form to review this File Exchange submission. Please **do not** use this form to report a problem, bug, or suggestion. Instead, please contact the person who submitted this File Exchange item by clicking [here](#).

**Name:**

**How do you rate this?** (On the scale 1 to 5, with 5 being extremely useful)

1   2   3   4   5

**Your Comments (no bug reports please):**

