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Estimate Onset of Slope Change

Author:	OriginLab Corporation	**Date Added:**	6/20/2005
Downloads:	252	**Last Update:**	6/20/2005
Total Ratings:	1	**File Size:**	84356 Bytes
Average Rating:	★★★★★	**File Name:**	OL_Estimat...et.OPK
Created Using:	Origin 7.5	**File Version:**	1.0
Working Versions:	7.5		
License:	Free		

Summary:

This tool enables you to estimate the onset of slope change in a graph curve
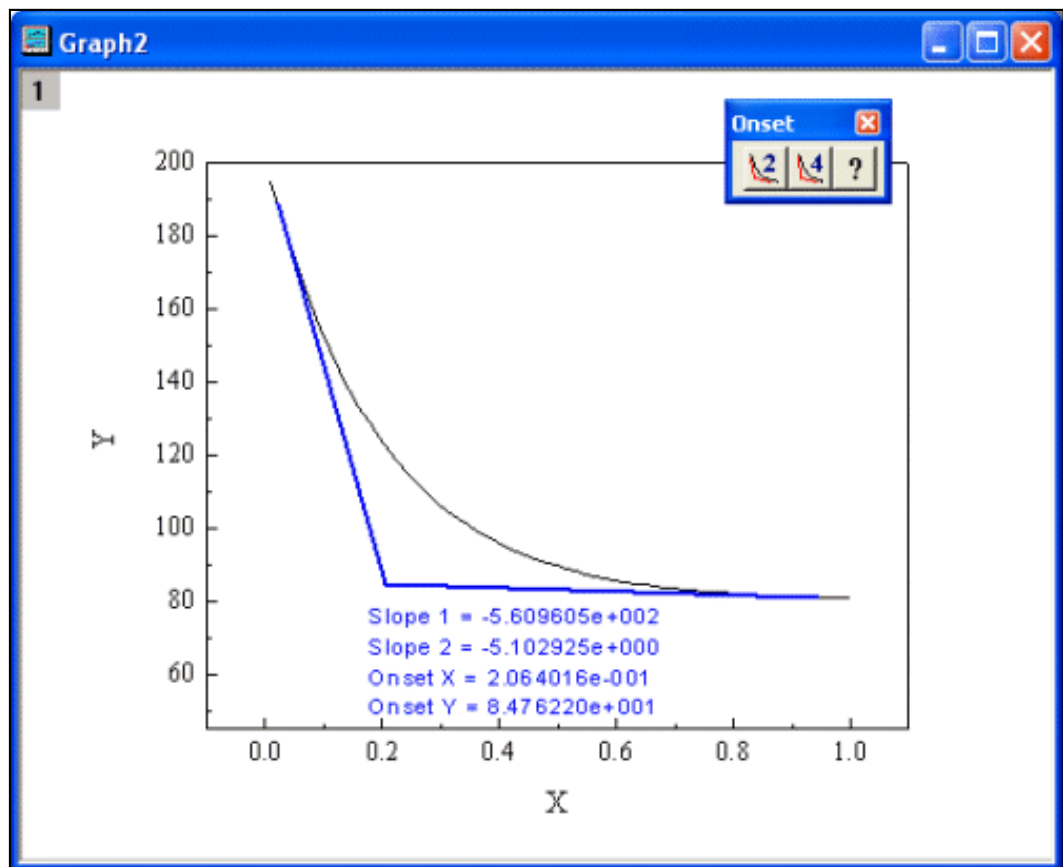
Description:

** Origin version 7.5 SR5 is required **

Often one may want to quickly estimate a point in a graph curve where there is transition/onset point such as shown in the image below.

Typically users want to either pick two points on the curve and draw a tangent at each and find the point of intersection, or they want to pick four points and lines are drawn using each pair of points and the intersection is computed. This tool supports both methods.

To install download the Origin Pack File (OL_Estimate_Onset.OPK) and drag-and-drop the file onto Origin. A new toolbar called Onset will be added. The third button on this toolbar will bring up a PDF document with instructions on how to use this tool.

Screen Shot:

Graph2

200

180

160

140

Y 120

100

Onset

Slope 1 = -5.609605e+002
Slope 2 = -5.102925e+000
Onset X = 2.064016e-001
Onset Y = 8.476220e+001

80

60

0.0   0.2   0.4   0.6   0.8   1.0

X

Reviews:

Rated by: **Karoui**   Date: (8/2/2005 7:40:06 PM)

Usefull, well done thank you.

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

1   2   3   4   5

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