



Transformations.llb Readme

The Top-Level VI, Transformations.vi, graphs a function, $y = f(x)$, and a transformed function, $y = a * f(b(x - d)) + c$, where the parameters A through D control the vertical dilation, horizontal dilation, horizontal translation, and vertical translation of the graph.

Many common functions can be used for the Parent Function, $y = f(x)$. For example, x , x^2 , x^3 , $\text{abs}(x)$, $\text{sqrt}(x)$, $\text{sin}(x)$, $\text{cos}(x)$, 2^x , $1/x$, $\text{exp}(x)$, $\text{ln}(x)$ can be used.

To open Transformations.vi, double-click the LLB to open the LLB Manager. Then, simply double-click Transformations.vi in the LLB Manager window.

This LLB and the contained VIs were built using LabVIEW 8.5 on a Mac running OS X. The LLB and VIs will run in Windows with LabVIEW 8.5 or later installed.

Please direct all comments and questions regarding the contents of this document to:

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Warm regards,

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