



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 , $\text{abs}(x)$, $\text{sqrt}(x)$, $\sin(x)$, $\cos(x)$, 2^x , $1/x$, $\exp(x)$, $\ln(x)$ 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.

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Warm regards,

Eric Mann