



## Pyramids.vi Readme

This VI calculates the surface area and volume of a pyramid given its height and information about its base. Multiple views of the pyramid are displayed in graphs. Intermediate results, like the perimeter and area of the base, are displayed as well.

The volume of the pyramid is calculated as  $V = \frac{1}{3}Bh$ . The total surface area is calculated as  $S = \frac{1}{2}PL + B$ .  $B$  and  $P$  are the area and perimeter of the base, respectively.  $h$  is the height, and  $L$  is the slant height.

This VI was built using LabVIEW 8.5 on a Mac running OS X. The VI 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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