

Component Parameter Editor

User Tutorial for the Component Parameter Editor

May 2, 2014

1.0 Purpose

A new form in CyPhy was created to improve the user's experience regarding component parameters. Specifically, the component parameter editor makes it easier to use component parameters by reducing clutter, increasing readability, and increasing productivity. This form allows you to view the parameters and alter parameter values in one form.

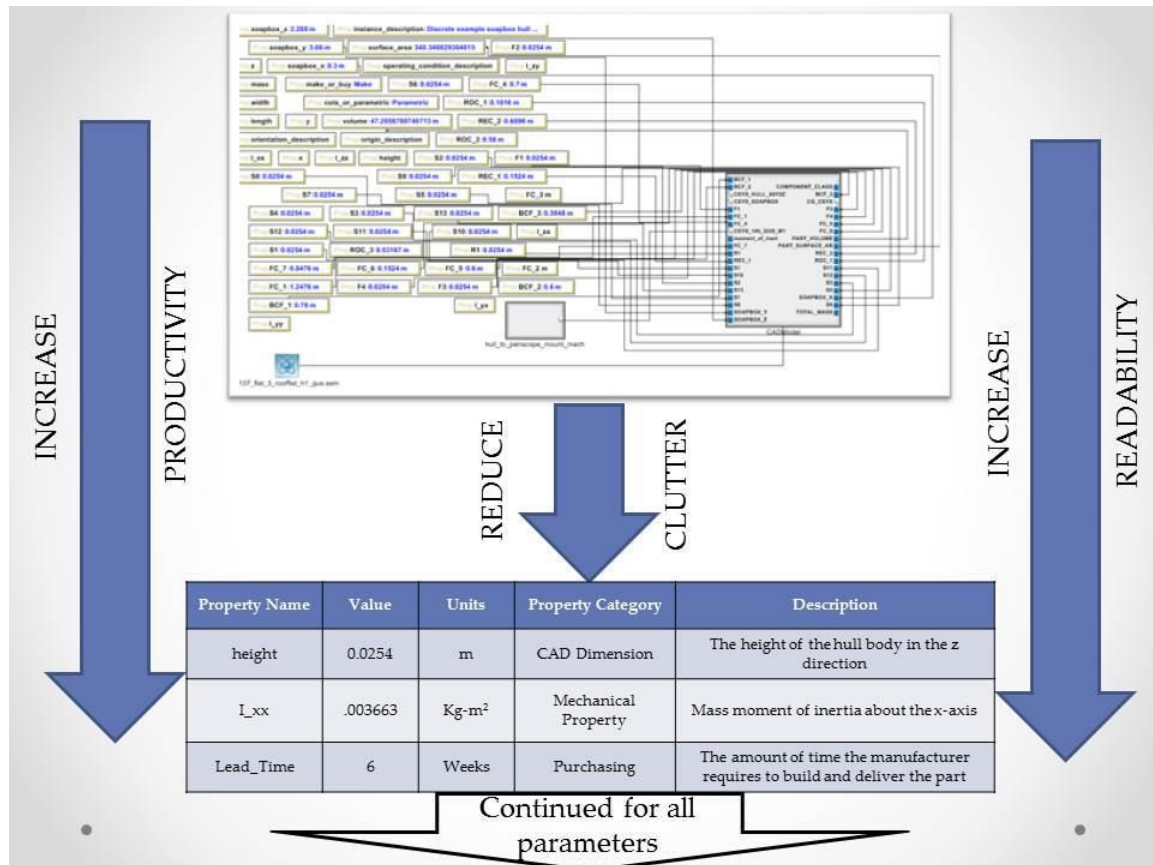


Figure 1: Advantages of the Component Parameter Editor

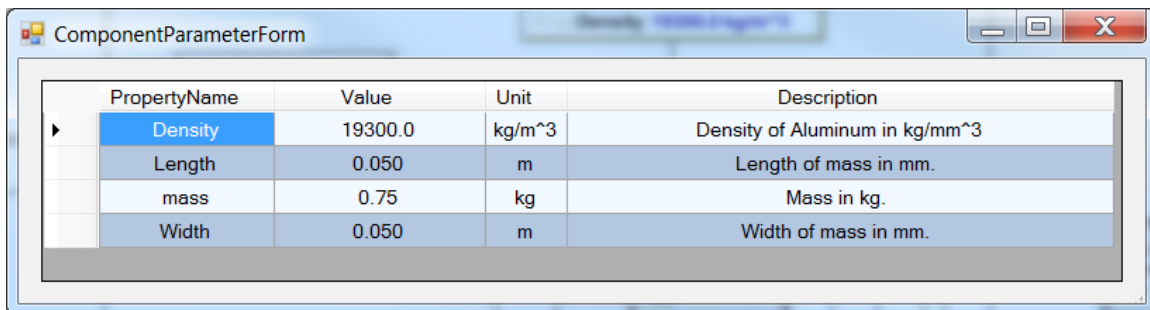
2.0 Procedure

To view all the parameters of a component in one form, open a component in the editing area and click the CyPhyComponentParameterEditor button on your toolbar as seen in Figure 2.



Figure 2: CyPhyComponentParameterEditor Icon

After clicking the button, a form should pop up displaying different features of a component's parameters. The columns available are: PropertyName, Value, Unit, and Description. Figure 3 shows the component parameter form for the Mass_Gold parameter.



PropertyName	Value	Unit	Description
Density	19300.0	kg/m^3	Density of Aluminum in kg/mm^3
Length	0.050	m	Length of mass in mm.
mass	0.75	kg	Mass in kg.
Width	0.050	m	Width of mass in mm.

Figure 3: ComponentParameterForm

You can change the property name, value, and description simply by clicking on the current text or value in the cell and typing over it. Pressing enter or closing the window will save your new values.

NOTE:

Modifying units in the Component Parameter Form is not supported at this time.