Subject: Re: widget_table
Posted by reardonb on Thu, 24 Feb 2000 08:00:00 GMT
View Forum Message <> Reply to Message

Dave,
I find it hard to believe that no one as been in my situation. Perhaps I need to explain the problem a bit more. Let's say that I am writing an IDL program called X_Optimizer that
optimizes a vector of parameters (Test_Params) that are sent to a user defined function called FX and FX returns a vector of data called Calc_Data that is then compared to a vector of experimental data call Exp_data. Based on how that comparison goes, X_optimizer adjusts Test_Params accordingly and then calls FX again. Now, let's say that each element of Test_Params is somehow selected from a user defined range of possible values. In otherwords, in X_Optimizer, there is a widget that allows the user to enter in how many variables are used by FX and what the upper and lower bounds on those variables are allowed to be. Thus, I need a widget that allows the user to input:
1) the number of variables that will be optimized,

and then in (some sort of) table form:

2) a vector that holds the names of each variable (Temperature, pressure, IQ, etc)
3) a vector that holds the lower bounds of each variable (0., 0., 80., etc)
4) a vector that holds the upper bounds of each variable (1000., 100., 140., etc.)
5) a vector that holds a measure of the resolution that is needed for each variable(1.0,0.1,1.0, etc)

What is the best way to go about doing this if widget_table is not to be used?
-Brian