Custom Font Size Reducer v0.1 for Gimp 2.10

So your custom font file is too big for your liking and you need to do something about it.

This plug-in attempts to provide you with information about the layers contained in your custom font file so that you can make a decision about reducing the size of the file - perhaps you need to meet the size restrictions imposed by a hosting website.

There are choices to make:

1. With filesizes that exceed a limit by a larger amount you would probably need to scale the font so that all its layers are smaller.

2. If the font is only slightly over a limit it may be possible to simply remove some layers from the file and reduce the size that way.

3. If your custom font contains both cases, you could remove one of them (usually the lower-case).

Your custom font may only contain a relatively small number layers to start with – say upper-case and some basic punctuation – in which case scaling down would appear to be the only option.

If the file contains a generous selection of other characters then you could remove some of these layers and see if this reduces the size of the file by the amount you need.

Download, unzip and install the plug-in in your user plug-in folder.

Open up the custom font file that you want to work with and call up the filter:

Filters>>Custom Fonts>>Utility Tools>>Custom Font Size Reducer v0.1...

Set the first option, 'Analyse custom font' to 'Yes' and click on 'OK'.

www.python_fu_Custom_Font_Filesize_Reducer_v01		
Provides information for reduct	ing the size of custom font files	
Analyse Custom Font:	No	
Remove upper case characters:	No	
Remove lower case characters:	No	
Remove numbers:	No	
Remove punctuation characters:	No	
Remove common math characters:	No	
Remove currency characters:	No	
Remove other characters:	No	
Remove uncommon math characters:	No	
Remove accented characters:	No	
Apply scaling shown below:	No	
Scale custom font height to:	500 🗘	
Help	OK Cancel	

This will open a message box to provide you with a list of character groups and the individual characters in the file (the space character is counted as a character).

The groupings are my own attempt to classify the characters in a meaningful way.



You can decide which, if any, layers you want to remove from the file. You can delete these by hand or use the other filter dialog options to remove groups of characters.

The following illustration attempts to show the relationships between the options and the characters.

www.python_fu_Custom_Font_Filesize_Reducer_v01		×
Provides information for reduc	ing the size of custom font fi	iles 💘 GIMP Message X
Analyse Custom Font: Remove upper case characters: Remove lower case characters:	No No No	Custom Font Size Reducer v0.1 MessageOnO_Zingy.xcf (17.1 Mb)Contains 178 character layers.Contains 26 upper case characters.ABCDEFGHIJKLMNOPQRSTUVWXYZContains 26 lower case characters.ABCDEFGHIJKLMNOPQRSTUVWXYZContains 10 numbers.1234567890Contains 10 punctuation characters.?:'!"Contains 16 math characters.?:'!"Contains 16 ource characters.\$<1} f\$\epsilon\$
Remove numbers: Remove punctuation characters:	No No	
Remove currency characters:	No	
Remove uncommon math characters:	No	
Apply scaling shown below:	No	
Scale custom fone neight to.	300	ОК
Help	OK Cancel	

Removing layers is a fairly drastic step to take but if you do make a mistake use undo (Ctrl + Z) to get the layers back.

If you remove upper-case or lower-case characters, any corresponding kerning paths will also be removed from the custom font file.

The last two options can be used to scale down the size of the custom font and all of its character layers.

The value used can be set in the range of 100 - 1000 pixels for the height of the image file.

Characters and Groupings Used:

Upper case characters Lower case characters Numbers Punctuation characters Math characters Currency characters Other characters Uncommon math characters Accented characters (mainly non-English characters) ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890 ?:.,';!"_-><|}{+)(*^%#/][= £\$¢€ &@~\```®© ÷×·³²¹⁰¾¹⁄₂¹⁄₄ ÀÁÂÄÈÉÊËÌÍÍĨÌÒÓÔÖÙÚÛÜÝŸ àáâäèéêëìíĨiòôöùûüýÿÆçæçŒœ ߯ąćęłńóÃÕãõú¡¿Ññ