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## Welcome!

Posted by paolo.gai - 2007/09/18 06:19

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Dear all,

Welcome to the FLEX Forum on the Evidence web site!

Feel free to write any question about the FLEX boards and about the Scilab/Scicos support for FLEX!

bye

PJ

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## Re:Welcome!

Posted by dejan - 2007/12/19 11:19

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hi

is it possible to generate code from scicos  
for dspic30F4011?

best regards

dejan

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## Re:Welcome!

Posted by paolo.gai - 2007/12/19 19:31

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Although the setup we give on the Evidence web page has been tested and used on the Flex boards which hosts a dsPIC33FJ256MC710, there is no problem in generating code for other dsPIC as well.

If you want to do that, I also would like to ask if you can share it so we can put it on the next distribution of the ERIKA Enterprise and of the next FLEX pack.

The steps to do are:

1) take the template from `.../Evidence/examples/pic30/pic30_scicos`, copy in another directory under the examples directory, and customize the application and the `template.xml` to compile for your CPU

2) try the code generation; when generating, in the scicos dialog box use the ID of the new template you just made

3) see which blocks are compatible from dspic33 to dspic30. I guess most of the available templates will be compatible without problems. if not, you have to customize the functions, which are in the `.../Evidence/contrib/scicos` directory

Please note that we are working hard in these days for the support of Scicos 4.1.2, and the custom blocks you are going to write will need little modifications to work on the new version (we planned internally the release date around the second week of february).

bye

PJ

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## Re:Welcome!

Posted by dejan - 2007/12/20 10:51

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Thanks for quick replay

I try everything but nothing seems to work.  
dsPIC30F and 33F are pin compatible, have similar peripheral but C syntax for settings peripheral is not

generally the same, like settings oscillator...  
Same peripheral don't have same numbers of inputs and outputs.  
Basically I need to change all C functions regarding to peripherals.  
Maybe I don't understand building process, please advice.  
If I make some progress I will share whit you, of course.  
Best regard  
Dejan

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## Re:Welcome!

Posted by dejan - 2007/12/20 10:56

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Thanks for quick replay

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Best regard  
Dejan

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## Re:Welcome!

Posted by paolo.gai - 2007/12/21 08:23

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dejan wrote:

dsPIC30F and 33F are pin compatible, have similar  
peripheral but C syntax for settings peripheral is not  
generally the same, like settings oscillator...

the oscillator setting is in the template application I cited in point 1) in the previous answer... you have of course to  
change it... you can also use the template app for dapicdem, If I'm not wrong it should use a dspic30

Same peripheral don't have same numbers of inputs and outputs.  
Basically I need to change all C functions regarding to peripherals.

The dspic33 dependent peripheral code is under .../Evidence/ee/contrib/scicos/src/pic30 ----> copy the directory with  
another name (example, .../Evidence/ee/contrib/scicos/src/dspic30)

Then change ...\\Evidence\\ee\\contrib\\scicos\\cfg\\cfg.mk to compile your directory instead of the default one when the  
dspic30 is selected...

Merry Christmas and Happy New Year,

PJ

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