

ctools - Action #1834

Add information of how to set number of cores with OpenMP to user documentation

08/02/2016 11:26 AM - Mayer Michael

Status:	Closed	Start date:	08/02/2016
Priority:	Normal	Due date:	
Assigned To:	Knödseder Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
I have received a question by Nukri Komin about OpenMP and I don't know the answer which is why I post it here: Is there a way to set the maximum number of cores to be used by OpenMP? E.g. is it possible to set this during the configure step?			

History

#1 - 08/02/2016 11:28 AM - Mayer Michael

- Description updated

#2 - 08/02/2016 10:42 PM - Knödseder Jürgen

- Status changed from New to In Progress

- Assigned To set to Knödseder Jürgen

- % Done changed from 0 to 50

It is not possible to fix this number at compile time.

The number of threads for OpenMP is actually set by an environment variable, so it's sufficient to set this variable before starting the code:

```
export OMP_NUM_THREADS=<number of threads to use>
```

This information should be added to the user documentation.

#3 - 08/04/2016 09:41 AM - Komin Nukri

Hi Jürgen,

That's exactly what I need. I want to set the number of threads for each job individually. Thanks a lot.

Cheers,

Nukri

#4 - 08/04/2016 10:59 AM - Knödseder Jürgen

- Tracker changed from Support to Action

- Subject changed from *Limit OpenMP cores during configure step?* to *Add information of how to set number of cores with OpenMP to user documentation*

Changed title and type of tracker to not forget about adding this to the documentation.

#5 - 07/25/2018 10:13 PM - Knödseder Jürgen

- Project changed from *GammaLib* to *ctools*

- Status changed from *In Progress* to *Closed*

- % Done changed from *50* to *100*

All ctools using OpenMP now have an nthreads parameter, so this issue has become obsolete.