Subject: Re: Memory management when concatenating arrays
Posted by Alain Kattnig on Wed, 28 Oct 2015 13:58:27 GMT
View Forum Message <> Reply to Message

Le mercredi 28 octobre 2015 14:49:38 UTC+1, rj...@le.ac.uk a écrit :
> I have a large multi-dimensional array that is split across several files by time.
>
> i.e. file1 contains the first 1000 timesteps, [360,180,1000], file2 contains the next 1000 timesteps [360,180,1000], etc.
>
> What I want to end up with is one big array that's read say all 10 files in and is (360, 180, 10000).
>
> What I'm doing is this in a loop:
>
> all_data=[[[all_data]], [[data]]]
>
> But I quickly run out of memory trying to concatenate in this way.
>
> I tried using temporary
>
> all_data=[[[temporary(all_data)]], [[data]]]
>
> but this doesn't help.
>
> Is there an efficient way of doing this?
>
> Cheers

Use ASSOC, it associates a variable to a file, thus allowing you to address unlimited siezd variables