
Subject: Re: Running a code multiple times automatically
Posted by [Michael Galloy](#) on Sat, 16 Jan 2016 21:38:47 GMT
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On 1/16/16 9:20 AM, nd451frd wrote:

> Dear friend of the forum.
>
> I am kindly writing to ask you if you know a practical way to run a
> code several times in a kind of parallel way in IDL.
>
> Lets say I have a code that is called "namecode.pro"
>
> which needs 2 inputs. I have to run it as:
>
> IDL> namecode, 'stringvar1', 'stringvar2'
>
>
> I would like to do something like
>
> for i=0, (9) do begin namecode, 'stringvar1', 'stringvar2' endfor
>
> but without waiting that process in i=0 is over and then the i=1 is
> over and so on, I just would like to run it 10 times all at the same
> time just to use 10 processors.
>
> I can open 10 terminals and run the code in each of the terminals,
> but I would like to do it in a code. It does not have to be with IDL,
> it could be done in a bash or tcsh as well.
>
> I am trying to use the IDL_IDLBridge option of IDL but with not
> success at the moment.
>
> Any help is very welcome.
>
> All the best and thanks in advance.
>

This uses my library at github.com/mgalloy/mglib, particularly the
src/multiprocessing set of routines. These use the IDL_IDLBridge to do
what you are looking to do.

```
; create 10 processes  
pool = mg_pool(n_processes=10)
```

```
; I assume the arguments will be different for each process, but here  
; we set them all to be the same  
str1 = strarr(10) + 'stringvar1'  
str2 = strarr(10) + 'stringvar2'
```

```
; since NAMECODE is a procedure result will be !null  
result = mg_pool->map('namecode', str1, str2, /is_procedure)
```

```
; free the processes  
obj_destroy, pool
```

Mike

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Michael Galloy

www.michaelgalloy.com

Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)
