Subject: object oriented dilemma
Posted by Jason Li on Mon, 09 Oct 2000 07:00:00 GMT

Dear fellow IDL lovers,

If I want to write an image processing software using OOP method, I would normally define a structure in __define module:

```
PRO myProgram__define
    struct = {imagePointer:Ptr_New()}
END
```

Traditionally, a pointer is used to take care of variable image size. Then load an image to self.imagePointer in the myProgram__init module.

```
hugeImage = bytarr(huge, huge)
self.imagePointer = Ptr_New(hugeImage, /no_copy)
```

Now in my METHOD modules, I have to perform an operation on line by line basis. I don't know how to get a line data out of this self.imagePointer without making a copy (dereferencing) of it first. My image size is rather large. I don't how to be more memory efficient.

Question: What is the solution to this?

thanks

Jason