
Subject: Re: Slow with large images...

Posted by [Whizziez](#) on Fri, 09 Jul 1999 07:00:00 GMT

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If you like, and to add more memory is a problem to you, you might also skipping image's pixels line. For example, you only use the odd / even pixel's line number, or use every tenth, so it will be a bargain for less available memory.

Mark Rivers <rivers@cars3.uchicago.edu> wrote in message
news:FEK0lx.2yv@midway.uchicago.edu...

> In article <3779F9F6.B35319AE@stud.uni-bayreuth.de>, Juergen Baier
<Juergen.Baier@stud.uni-bayreuth.de> writes:

>> Hello everybody!

>>

>> Has anyone experience in efficient manipulation of large images (e.g.
>> 4500x3000 Pixels)? I slipped into having to write an application for
>> analyzing x-ray-images, where i do have to rotate them, overlay them or
>> compare intensities of different areas. I do use use lonarr() for
>> storing the data and it works, but is poorely slow. I do only have the
>> books delivered with idl, so i hope that there exists some more detailed
>> description of this chapter...

>

> I imagine your problem is not enough physical memory in the machine you
are

> using. Your images are 54MB each. When you do operations on these you
> probably need memory to store at least 2 of them. Thus, you need to have
128MB

> available to IDL. Your problem could either be physical memory or the
amount

> of virtual memory allowed to your process if you are using Unix or VMS.

>

> I routinely use IDL manipulate 3-D arrays as large as 1GB in size. As
long as

> I have 1GB of memory available IDL performs just fine on these huge
arrays,

> scaling in time just as expected from smaller arrays.

>

>

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