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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