
Subject: Re: 24 bit color without connecting to X server
Posted by [whdaffer](#) on Fri, 21 Jan 2000 08:00:00 GMT
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In article <3888BFF5.DD09C84B@astro.cornell.edu>,
"John-David T. Smith" <jdsmith@astro.cornell.edu> wrote:
> whdaffer@my-deja.com wrote:
>>
>> Gentlefolk;
>>
>> (Dave, I'm CCing this to you because you are the 'color man!')
>>
>> On a X windows system, does anyone know how to do 24 bit color
without
>> connecting to the X server? All the TVs require true=[1|2|3] and
this
>> keyword only works to 'windows', not the Z buffer.
>>
>> I have a product I routinely make that requires me to do the
following
>> sort of thing.
>>
>> tv,image
>> im=tvrd()
>> mask 'im' with other images to create a composite image im2
>> tv, im2
>>
>> Overplot vector graphics on im2.
>>
>> final_im=tvrd()
>>
>> write_jpeg, file, final_im
>>
>> In order to do all these 'tv's in 24 bit color, I have to connect
to
>> the X server. The Z buffer is only 8 bits deep. I realize that I
could
>> break everything done into its separate r/g/b planes, and then do
each
>> separately in the Z buffer, but that would be a pain for the vector
>> graphics. I was just wondering if someone had a solution that
involved
>> less drudgery?
>>
>> My major motivation is the fact that this routine is run out of a
cron
>> job. If I'm not logged in on console when this job runs, the
connection

>> to the X server fails.
>>
>> So, maybe there's an alternative, a way to connect to the X server
>> when I'm not logged in on console.
>>
>
> How about plotting directly to postscript, and then converting the
postscript to
> JPEG externally? None of the tvrd's will work, but there are often
ways around
> using those.
>
> JD
>

> --
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>

I'll give that some thought. I'm pretty sure the tvrds are integral,
but I may be wrong about that. I'll have to look at it now with this
thought in mind. I've also had some problem with converting to jpeg, or
any bitmapped format, it doesn't look as crisp as doing it directly to
jpeg does. But I'll have to investigate that as well since I never
really worked on this alternative and I may have dismissed it out of
hand.

What external programs would you suggest?

William

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