
Subject: IDLtoAVIGENERATOR gives unexpected output when dimension is not power of 2?

Posted by [biophys](#) on Sun, 07 Jan 2007 20:55:18 GMT

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Hello,

I've been using idl2avi.dlm and lately the new IDLtoAVIGENERATOR.dlm quite a few times and it all gives me satisfactory results. Recently I need to make avi output under windows with some random size, say 258x349, not 128x128,256x256 as usual. The program runs smoothly and generates avi output. However, when I open avi with windows media player, the frames are like skewed by 30 to 60 degrees and sometimes the color is also screwed up. When I force the program to feed 256x256 images, it works fine. It seems to be codec independent and reproducible in different machines. Also it does not matter if it is generated with 8bits or 24 bits. My guess in the title may not be completely true since I did not try all possible combinations of dimensions. The example testAVIgenerator works with its default size 300x400, but not some other size 258x349. But strangely 300x400 does not work in my program. I also had good luck with size of 512x[some random dimension smaller than 512] or [some random dimension smaller than 512]x512. I am totally lost here. Am I the only one who has this problem? Can someone help me understand this?

Many thanks!

BP

Subject: Re: IDLtoAVIGENERATOR gives unexpected output when dimension is not power of 2?

Posted by [David Fanning](#) on Wed, 10 Jan 2007 23:44:32 GMT

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Mark Hadfield writes:

> Where can I get IDLtoAVIGENERATOR?

Ronn's page. This is just the IDLtoAVI souped up for IDL 6.3. :-)

I downloaded this the other day because I get asked about it so often I thought it might be nice to know a little something about what I was talking about. I found it very confusing.

Codecs, smodecs. How the hell to I know!?

I was thinking about updating my IDL Movie page into something a bit more sensible:

<http://www.dfanning.com/tips/howmovie.html>

But I realize it would be more of the blind leading the blind.
I need someone to do it who knows more about it.

Wait, Mark! YOU know something about it. Why don't YOU write this page? :-)

Cheers,

David

P.S. I'd ask Rick to do it, but I asked him a simple question about codecs and I got back a 10 page treatise that was mostly indecipherable by me. It was all he could get together before he went on holiday. All of I could think was that if I had to understand that stuff for a living, I would need a holiday, too. :-(

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: IDLtoAVIGENERATOR gives unexpected output when dimension is not power of 2?

Posted by [Kenneth P. Bowman](#) on Thu, 11 Jan 2007 03:45:39 GMT

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In article <MPG.200f283cd0a8de19989e78@news.frii.com>,
David Fanning <news@dfanning.com> wrote:

> I was thinking about updating my IDL Movie page into something a
> bit more sensible:
>
> <http://www.dfanning.com/tips/howmovie.html>

I expanded the Mac movies page

<http://idl.tamu.edu/mactips/movies.php>

and there are a couple of tools that work on multiple platforms.

If anyone has other suggestions, please send them to me.

Cheers, Ken

Subject: Re: IDLtoAVIGENERATOR gives unexpected output when dimension is not power of 2?

Posted by [badjelly.witch](#) on Mon, 15 Jan 2007 04:08:09 GMT

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David Fanning wrote:

- > Mark Hadfield writes:
- > I was thinking about updating my IDL Movie page into something a
- > bit more sensible:
- >
- > <http://www.dfanning.com/tips/howmovie.html>
- >
- > But I realize it would be more of the blind leading the blind.
- > I need someone to do it who knows more about it.
- >
- > Wait, Mark! YOU know something about it. Why don't YOU
- > write this page? :-)

I'll think about it.

I'm afraid I'm becoming steadily more curmudgeonly with age. About all I can manage these days on the topic of movie formats is "Harrumph, use AVI format with the Microsoft Video 1 codec, you ignorant pup."

Subject: Re: IDLtoAVIGENERATOR gives unexpected output when dimension is not power of 2?

Posted by [David Fanning](#) on Mon, 15 Jan 2007 04:19:46 GMT

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Mark Hadfield writes:

- > I'll think about it.
- >
- > I'm afraid I'm becoming steadily more curmudgeonly with age. About all
- > I can manage these days on the topic of movie formats is "Harrumph, use
- > AVI format with the Microsoft Video 1 codec, you ignorant pup."

Well, it's more than I've got. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
