

# Re: Contious optical receiver

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- *From:* [jimp@xxxxxxxxxxxxxxxxxxxxxx](mailto:jimp@xxxxxxxxxxxxxxxxxxxxxx)
  - *Date:* Thu, 09 Aug 2007 21:14:59 GMT
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jonas.thornvall@xxxxxxxxxxxx wrote:

On 9 Aug, 19:54, j...@xxxxxxxxxxxxxxxxxxxxxx wrote:

jonas.thornv...@xxxxxxxxxxxx wrote:

On 9 Aug, 18:14, j...@xxxxxxxxxxxxxxxxxxxxxx wrote:

jonas.thornv...@xxxxxxxxxxxx wrote:

On 9 Aug, 16:52, Sam  
Wormley  
<sworml...@xxxxxxxxxx>  
wrote:

jonas.thornv...@xxxxxxxxxxxx  
wrote:

Is  
it  
possible  
to  
blend  
light  
frequencies  
from  
different  
sources  
through  
a  
prism?

Certainly.

What differ a prism from a  
RGB mask?  
I guess there must be

## Re: Contious optical receiver

somekind of relation  
between the size of the  
pixel unit and the  
receiver/receptor device for  
the actual blending of  
wavelength to take place.  
Given big enough pixels no  
blending take  
place.

There is no physical "blending" of light from  
an RGB mask, rather  
it is in how the eye and brain work leading  
to the perception that  
the individual colored dots blend into one of  
another color.

So you say the blending a CCD record is not physical?  
So our brain create the RECORDED CCD result so when  
you print out the  
picture from a recorded monitor or TV you still have the  
RGB  
information "IDIOT"?

No, I said the human perception of a CRT's three discrete colored  
dots as a single dot of another color is an optical illusion caused  
by the way the brain and eye work.

You do know movies are a rapid series of still pictures the brain and  
eye "blend" into what appears to be motion, don't you?

Same thing, sorta.

As far as CCD's go, they work like CRT's in reverse.

The sensor array has a color filter mask over it so each "pixel" is  
actually three pixels of three different colors.

There is no mixing of light frequencies to produce light of a different  
frequency in any of this.

That would require something that reacts none-linearly to light, which  
don't exist either in the human body, CRT's or CCD's.

If you cared to read what i wrote...

Re: Contious optical receiver

It would be easier if you learned English.

Well if receptors and brain can do there sure have to be an algorithm behind doing the blending of the three sources with different luminance, and i see no problem with an electronic DEVICE LIKE A CCD doing the same thing.

That's because you have no understanding of what is going on.

The whole point of CCD cameras, or any color camera for that matter, is to "unblend" the light frequencies into three discrete values.

It doesn't matter if there are three filters picking up 3 different wavelenghts they are mixed down using an algorithm. The question is there a way to bypass the computational effort "algorithm" mixing using an optical device like a small lens or prism.

There is NO, repeat, NO mixing going on in a CCD.

The output is 3 numbers for each "pixel" which represent the intensity of 3 different colors.

One more time, there is NO, repeat, NO mixing going on in a CCD.

There is quite the opposite happening.

Ignorant twit.

IDIOT.....

Uneducatable moron.

Using three cathodes directed to respective filter of a single "PIXEL" cell and downmixing the RGB through a prism would lead to blasing fast computation given a logic and aritmetic based on RGB and would not be limited to binary computations. It is fully possible to develop an aritmetic with base 4,8,16 or 24. Now you line up a grid of those babies and build an architecture around it, using devices as optical routers as feedback systems to the cathodes. You would preferably have to create a new kind of storage, so you get rid of the freaking AD/DA quantisers.

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Babbling nonsense.

You haven't a clue how any of this works.

I am quite serious when i say that we will see such systems within 10 years, nonebinary computers without AD/DA binary quantisers. Computational systems not based in binary arithmetic and logic gates. Instead analog computational systems using multivalued arithmetic based on downmixing wavelenghts from ordinary cathodes and pixel shaders through a prism using optical routers as feedback systems.

Utter, rabid, nonsense.

Spend some time on Wiki and read up how how eyes, cameras, and CRT's work before you make an even bigger fool of yourself.

—

Jim Pennino

Remove .spam.sux to reply.

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