

Re: Contious optical receiver

Source: <http://sci.tech-archive.net/Archive/sci.physics/2007-08/msg00938.html>

- *From:* jonas.thornvall@xxxxxxxxxxx
 - *Date:* Thu, 09 Aug 2007 14:50:26 -0700
-

On 9 Aug, 23:14, j...@xxxxxxxxxxxxxxxxxxxxxxxx wrote:

jonas.thornv...@xxxxxxxxxxx wrote:

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

jonas.thornv...@xxxxxxxxxxx wrote:

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

jonas.thornv...@xxxxxxxxxxx
wrote:

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

jonas.thornv...@xxxxxxxxxxx
wrote:

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

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Certainly.

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

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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...

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.

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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 wavelengths 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.

Well visible light have a range Wikipedia "The visible spectrum (or sometimes optical spectrum) is the portion of the electromagnetic spectrum that is visible to (can be detected by) the human eye. Electromagnetic radiation in this range of wavelengths is called visible light or simply light. There are no exact bounds to the visible spectrum; a typical human eye will respond to wavelengths in air from 400 to 700 nm, "450–750 terahertz"

If your eyes is attached to a blue wall the wall reflect the incoming light 450–495 nm "i do not know how to convert to terahertz".

NOW THE CONCLUSION IDIOT... LIGHT DO NOT TRAVEL AS RGB...EACH COLOR HAVE A LIMITED RANGE SPECTRA....WHEN YOU LOOK ON A MONITOR AND SEE BLUE...THE MONITOR SENDS OUT WAVELENGTH OF 400 TO 700 NM

THE PIXEL FILTER/SHADER BLENDS RGB TO "ONE WAVE LENGTH". SIMILAR THE CCD SPLIT THE WAVELENGTH INTO COMPONENTS.

RGB OR CMYK IS JUST FILTERS FOR "ONE WAVE LENGTH" YOU COULD PROBABLY MAKE A CMYK SHADER FOR A MONITOR AND IT WOULD WORK JUST FINE IF THE YOU HAD A CMYK SPLITTER AND THE TRANSMISSION WAS CMYK

THERE WILL NEVER BE ANY CMYK OR RGB CODED LIGHT TRAVELLING THE AIR BLUE IS BLUE AND EACH BLUE COLOR HAVE ONE SPECIFIC SPECTRUM WITHIN THE RANGE OF 400 TO 700 NM

WIKIPEDIA: "Better color separation can be reached by three-CCD devices (3CCD) and a dichroic beam splitter prism, that splits the image into red, green and blue components. Each of the three CCDs is arranged to respond to a particular color. Some semi-professional digital video

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camcorders (and most professionals) use this technique. Another advantage of 3CCD over a Bayer mask device is higher quantum efficiency (and therefore higher light sensitivity for a given aperture size). This is because in a 3CCD device most of the light entering the aperture is captured by a sensor, while a Bayer mask absorbs a high proportion (about 2/3) of the light falling on each CCD pixel"

J

Ignorant twit.

IDIOT.....

Uneducatable moron.

I hope you are not.....

Using three cathodes directed to respective filter of a single "PIXEL" cell and downmixing the RGB through a prism would lead to blazing fast computation given a logic and arithmetic based on RGB and would not be limited to binary computations. It is fully possible to develop an arithmetic 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.

Babbling nonsense.

No it is not

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

I actually have actually programmed an arithmetic system around RGB once.

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

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on downmixing wavelenghts from ordinary cathodes and pixel shaders through a prism using optical routers as feedback systems.

Utter, rabid, nonsense.

Many years ago a friend of mine told me the same when i told him of digital cameras.

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.

I would ask you the same

--

Jim Pennino

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– Visa citerad text –