

## Re: Nuclear Fusion Reactor.

**Source:** <http://sci.tech-archive.net/Archive/sci.physics.relativity/2004-12/2650.html>

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**From:** Len Gaasenbeek (*gaasbeek\_at\_rideau.net*)

**Date:** 12/04/04

Date: Sat, 4 Dec 2004 17:20:29 -0500

To Jahn (Sue?),

I enjoyed Jefferies paper titled: Waveguides and Cavity Resonators.  
It was instructive although not entirely accurate as follows:

-1- An electrical current that travels through a wire is NOT one dimensional since the individual electrons spin around their own axis and follow a helical path, i.e. they are helical wave electrons which can have a choice of frequency etc. as they travel through a copper wire (which has an electrical resistance). In the case of an aerial or antenna, the helical wave electrons can even be amplitude or frequency modulated.

-2- Waves on the surface of the water are a completely different kettle of fish. Here the water molecules make up the medium through which the wave travels, which is all. The water molecules move up and down when the wave passes BUT NOTHING TRAVELS THROUGH THE WATER. That is to say, there are no wave particles that travel from A to B.

The same holds for sound waves which also need a medium to travel through. Again, there are no such things as sound particles.

-3- In the case of an electromagnetic wave, the helical wave photons not only don't need a medium to travel through but only travel at maximum speed (c) through a hard vacuum. Any medium, such as air for example, only slows them down. That is to say, an electromagnetic wave such as light is made up of speeding helical wave photons, that's all!

It is the inability of past (and present) physicists to distinguish between 'particle-waves' and 'medium-waves' which led to the confusion over the duality of light, relativity and quantum mechanics etc.

The latter allows one to calculate relativistic effects but without an understanding of what is actually happening. It gives results through the use of special constants, rules and mathematics which have been twiggged so they will produce the right answer. Consequently, QM formulas aren't proper formulas at all (since they are not based on physics) but strictly a means to supply answers when you don't understand what's going on.

For more information see my "Selected Papers" at:  
<http://www2.rideau.net/gaasbeek>

Enjoy, Len.  
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"jahn" <susyshow@yahoo.com.au> wrote in message  
news:31eio0F382i9gU1@individual.net...

>

> *"Len Gaasenbeek" <gaasbeek@rideau.net> wrote in message  
news:10r3juflfc5lo67@corp.supernews.com...*

> *[snip]*

> >

> > *Please have a look at this experiment which confirms the helical  
travel of*

> > *photons in waveguides.*

> > *<http://www.omsriram.com/Helical%20Travel%20of%20Light.htm>*

> > >

> > > *Although I don't agree with everything in the paper, it makes  
interesting*

> > > *reading.*

> > >

> > > *Enjoy, Len.*

> > > .....

> *[snip]*

> > > > .....

> >

> *Of course helical waves exist. They emanate from crossed  
> dipoles and antenna that look like bedsprings and most  
> molecules.*

> *However, I think you'll find that waveguide current and voltage  
> samples taken over the past 75 years, are more consistant  
> with the modes illustrated in:*

>

> *<http://www.ee.surrey.ac.uk/Personal/D.Jefferies/wguide.html>*

>

> *than with the author's profound discovery that the E and H  
> plane dimensions of commercially available waveguide has  
> has a relationship to the useful frequency of operation.*

>

> *BTW... Feynman died before he could tell anyone how to  
> build that "which slit" detector that he boldly claims is  
> feasible in his book QED.*

>

> *Kind regards,*

> *Sue...*  
.....