

Re: KEN SETO, THE RUNT OF THE AETHERIALISTS, AGREES DOPPLER SHIFT IS A CHANGE IN LIGHT SPEED

Source: <http://sci.tech-archive.net/Archive/sci.physics.relativity/2005-08/msg02266.html>

- *From:* The Ghost In The Machine <ewill@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 27 Aug 2005 05:00:05 GMT
-

In sci.physics.relativity, bz

<bz+sp@xxxxxxxxxxxxxxxxxxxxxxxx>

wrote

on Fri, 26 Aug 2005 14:10:36 +0000 (UTC)

<Xns96BE5D9F997BAWQAHBGMXSZHVspamnote@xxxxxxxxxxxxxxxx>:

> The Ghost In The Machine <ewill@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in

> news:7pf2u2-k0r.ln1@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx:

>

>> The temperature difference is a big plus, too, if
>> accurately observed. It's fairly obvious that an orbiting
>> planet won't do much to the luminosity characteristics of
>> the central star (it might dim it, but it won't change the
>> observed temperature too much unless the star is moving
>> *very* fast, resulting in various lightshift effects ---
>> and stars are too big to move that fast).

>>

>

> The doppler shift, due to orbital motion, moves the ENTIRE radiation curve,
> including emission and absorption lines.

>

> Temperature causes the stefans-boltzman curve to shift but the absorption
> and radiation lines stay at the same wavelengths!!

>

> <http://www.nationmaster.com/encyclopedia/Black-body>

>

> Star types are based on temperature and the elements present, not on the
> relative motion of the star.

>

> Red shift and blue shift due to motion is corrected for before the type of
> the star is decided upon.

>

Hmmm...very interesting.

<http://en.wikipedia.org/wiki/Black-body>

Re: KEN SETO, THE RUNT OF THE AETHERIALISTS, AGREES DOPPLER SHIFT IS A CHANGE IN LIGHT SPEED

is almost the exact same page. :-)

But yes, you're correct; the Fraunhofers would not shift because a star changes its reaction rate — unless they are coming out from a blown shell or something, after a nova. (One might see new ones, as the He3 ionizes, but that's not a shift.)

—
#191, ewill3@xxxxxxxxxxxxxx
It's still legal to go .sigless.

• *Follow-Ups:*

- ◆ **Re: KEN SETO, THE RUNT OF THE AETHERIALISTS, AGREES DOPPLER SHIFT IS A CHANGE IN LIGHT SPEED**
◇ From: bz

• *References:*

- ◆ **Re: KEN SETO, THE RUNT OF THE AETHERIALISTS, AGREES DOPPLER SHIFT IS A CHANGE IN LIGHT SPEED**
◇ From: Paul B. Andersen
- ◆ **Re: KEN SETO, THE RUNT OF THE AETHERIALISTS, AGREES DOPPLER SHIFT IS A CHANGE IN LIGHT SPEED**
◇ From: The Ghost In The Machine
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◇ From: bz

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