

Re: 'moving through space' vs 'space expanding'

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"RichD" <r_delaney2001@yahoo.com> wrote in message
news:1104466548.340949.62730@z14g2000cwz.googlegroups.com...
> *Modern cosmology has introduced the concept of*
> *'expanding space'. Cf. the inflation theory of*
> *creation, and recently the dark energy 'negative*
> *gravity' hypothesis. In these scenarios, it is*
> *posited that the expansion can actually be faster than light.*

The assertion of expansion of empty space (inflation) is designed to avoid the implication that objects can move faster than the speed of light. It is designed to save the SR postulate that no object can move faster than the speed of light.

>
> *This bugs me, because from an instrumental viewpoint,*
> *things move apart, right? All motion is relative.*
> *Then, what is the difference between 'A and B are*
> *separating by moving through space', and 'A and B*
> *are separating as space expands'?*

The difference is that the observed horizon of our universe appears to be larger than the age of our universe. For this to happen, the objects must move apart faster than the speed of light to achieve such a large horizon. That's why the astronomers came up with the assertion that it is not the objects in the universe are moving apart but rather it is space that is expanding between the objects. I have a new model of the universe that will avoid the horizon problem and at the same time explains the accelerated expansion of the universe.

A paper entitled "Unification of Physics" is available at the following link. It includes a new theory of gravity and it unites gravity with the electromagnetic and nuclear forces naturally. Also, it includes a new proposed experiment to detect physical space.

<http://www.journaloftheoretics.com/Links/Papers/Seto.pdf>

Ken Seto