

Re: Light inside a black hole?

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- *From:* "N:dlzc D:aol T:com \(\dlzc\)" <dlzc@xxxxxxx>
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Dear George Dishman:

"George Dishman" <george@xxxxxxxxxxxxxxxxxxxx> wrote in message [news:enqi9c\\$t3q\\$1@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:enqi9c$t3q$1@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

"dlzc" <dlzc1@xxxxxxx> wrote in message news:1168116588.045569.82710@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Dear Jeff Root:

Jeff Root wrote:

....

My understanding of a black hole event horizon is that its location depends on the location and motion of the observer.

Agreed. Just like a horizon moves away from you as you move towards it.

David, that is one reason why I have doubts about the physicality of the transposition of space and time coordinates.

George, the physicality of length contraction and time dilation in SR can never be answered. I don't expect this to be any simpler.

The other is that I suspect any real BH must have a non-zero angular momentum and in the Kerr solution the coordinates revert before the singularity.

Re: Light inside a black hole?

You are on pretty solid ground there. Seems there was a post here just a couple of days ago that pulsars got their spin not from conservation of angular momentum (with "pre-formation momentum"), but from shedding their outer layers... if BHs were formed in some sort of "shock wave" in dense matter...

David A. Smith