

## Re: The Spin Proviso to Relativity

**Source:** <http://sci.tech-archive.net/Archive/sci.physics.relativity/2004-10/4934.html>

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**From:** Ben Bean (*kavs\_delethis\_\_at\_sysmatrix.net*)

**Date:** 10/21/04

Date: Thu, 21 Oct 2004 19:25:43 -0400

"Ben Bean" <kavs\_delethis\_@sysmatrix.net> wrote in message  
news:3M2dncxUAuaje-rcRVn-jg@sysmatrix.net...  
>  
> "Paul B. Andersen" <paul.b.andersen@hia.no> wrote in message  
> news:cl899p\$25n\$1@dolly.uninett.no...  
>>  
>> "Ben Bean" <kavs\_delethis\_@sysmatrix.net> skrev i melding  
> news:ktKdnS2bLsm8GurcRVn-rg@sysmatrix.net...  
>>>  
>>> "Paul B. Andersen" <paul.b.andersen@hia.no> wrote in message  
>>> news:cl6d07\$8jb\$1@dolly.uninett.no...  
>>>>  
>>>> "Ben Bean" <kavs\_delethis\_@sysmatrix.net> skrev i melding  
>>>> news:B8SdncZcW\_z2v-ncRVn-oA@sysmatrix.net...  
>>>>> I am eager to hear wisdoms in answer to the quandary below stated.  
>>>>>  
>>>>> SCENARIO: You stand on a planet just like Earth, but there's no  
>>>>> atmosphere.  
>>>>> You stand on the equator and hold your hands up to the air so that  
> they  
>> are  
>>>> a meter apart. [Relax, this is NOT a study in relative  
simultaneity  
> like  
>>> the  
>>>>> Barn/Pole thing.] As you stand there a huge spacecraft coasts by  
> just  
>>>>> overhead, just beyond your reach. The ship seems motionless to  
you,  
>>>>> hovering, because it is going eastward at a speed to exactly match  
> the  
>>>>> planet's tangential rotational speed. As you reach up, your  
> outstretched  
>>>>> fingertips are just about touching the 842-meter mark and the  
> 843-meter  
>>> mark  
>