

Re: The Twin Paradox explained from the moving twin ?

# Re: The Twin Paradox explained from the moving twin ?

---

*Source:* <http://sci.tech-archive.net/Archive/sci.physics.relativity/2006-09/msg01624.html>

---

- *From:* "Nicolaas Vroom" <[nicolaas.vroom@xxxxxxxxxx](mailto:nicolaas.vroom@xxxxxxxxxx)>
  - *Date:* Sun, 17 Sep 2006 12:37:07 GMT
- 

"Dirk Van de moortel" <[dirkvandemoortel@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:dirkvandemoortel@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> schreef in bericht [news:7QaPg.81097\\$ZZ2.1210461@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:7QaPg.81097$ZZ2.1210461@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

"Nicolaas Vroom" <[nicolaas.vroom@xxxxxxxxxx](mailto:nicolaas.vroom@xxxxxxxxxx)> wrote in message [news:O89Pg.80940\\$Uh2.1177712@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:O89Pg.80940$Uh2.1177712@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

"Dirk Van de moortel"  
<[dirkvandemoortel@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:dirkvandemoortel@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>  
schreef in bericht  
[news:XbzOg.77748\\$oT2.1054784@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:XbzOg.77748$oT2.1054784@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

"Nicolaas Vroom" <[nicolaas.vroom@xxxxxxxxxx](mailto:nicolaas.vroom@xxxxxxxxxx)> wrote in message  
[news:oJ9Og.75563\\$t31.1106993@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:oJ9Og.75563$t31.1106993@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

For more details goto :  
<http://users.telenet.be/nicvroom/dirk3.htm>

So the event [B2] where B receives the signal is given by solving the system  
$$\begin{cases} x = v t \\ x = c (t-1) \end{cases}$$
which gives  
[B2]:  $( t, x ) = ( c/(c-v), v c/(c-v) )$

What you do is nicer

Re: The Twin Paradox explained from the moving twin ?

For  $v = c/2$  you get:

$$t = c/(c-v) = 1 / (1-0.5) = 2$$

x =