

# Re: A question of discrete space–time.

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*Source:* <http://sci.tech–archive.net/Archive/sci.physics.research/2005–05/msg00558.html>

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- *From:* "Alan" <[info@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:info@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 30 May 2005 05:19:31 +0000 (UTC)
- 

> Wouldn't it also have a \*minimum\* speed of one position per moment?  
>  
> Ralph Hartley

I like this idea. I believe the original poster's intent is that we have a system in which 'information' moves, in one time unit, either (i) nowhere, or (ii) to nearest neighbors. This means that all speeds lie in [0,1].

To solve the 'velocity addition problem', I believe the challenge for the original poster is to see if he can construct a self–consistent, discrete, "special relativity", which solves the velocity addition problem in the same way as Einstein or, perhaps, in some novel way.

regards,  
alan

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• *References:*

- ◆ *A question of discrete space–time.*  
◇ *From:* Ed Hanna
- ◆ *Re: A question of discrete space–time.*  
◇ *From:* Ralph Hartley

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