

# Re: RLC

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- *From:* "Lord Garth" <[LGarth@xxxxxxxxxxxxx](mailto:LGarth@xxxxxxxxxxxxx)>
  - *Date:* Fri, 08 Apr 2005 05:10:31 GMT
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"jason" <[cheanglong@xxxxxxxxxx](mailto:cheanglong@xxxxxxxxxx)> wrote in message  
<news:1112931342.655967.172020@xx>

> Hello All  
> Say I have a resistor R, inductor L and capacitor C connected together  
> in series  
>  
> The easiest way to find the total impedance is just plug the formula  
>  $a + bj$   
>  
>  $Z = \text{square root}(a^2 + b^2)$   
>  
> without drawing any phasor diagram right?

<snip>

yep, the resistance is the horizontal axis,  
the reactance is the vertical axis  
and  
the impedance is the hypotenuse.

Sounds just like the Pythagorean theorem, doesn't it....

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- *Follow-Ups:*
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◇ *From:* jason

- *References:*
  - ◆ [RLC](#)  
◇ *From:* jason

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Re: RLC

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