

Position, vitesse et accélération

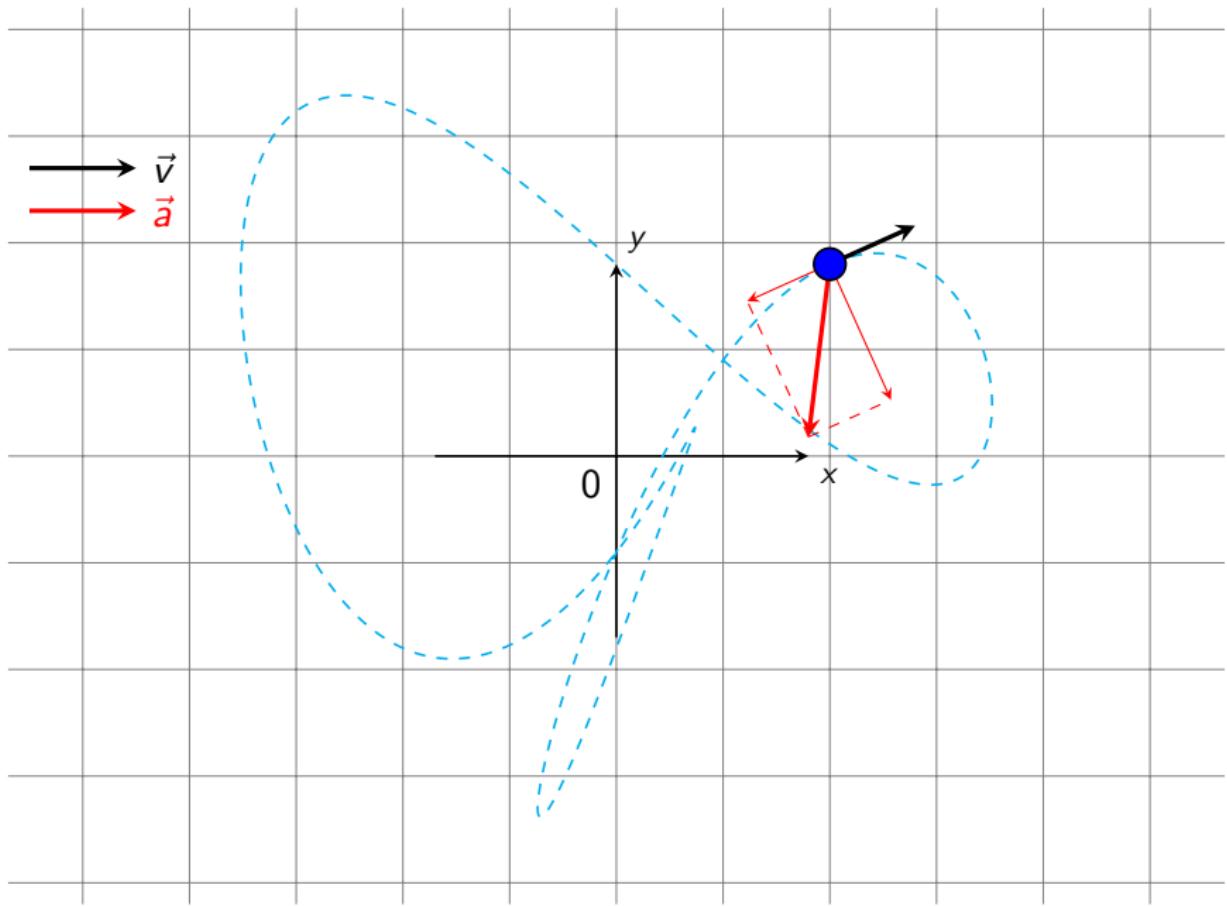
- Un point est fixé dans le référentiel : l'origine O .

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- La vitesse de l'objet est donnée à chaque instant t par le vecteur vitesse $\vec{v}(t)$. La vitesse est toujours tangente à la trajectoire.

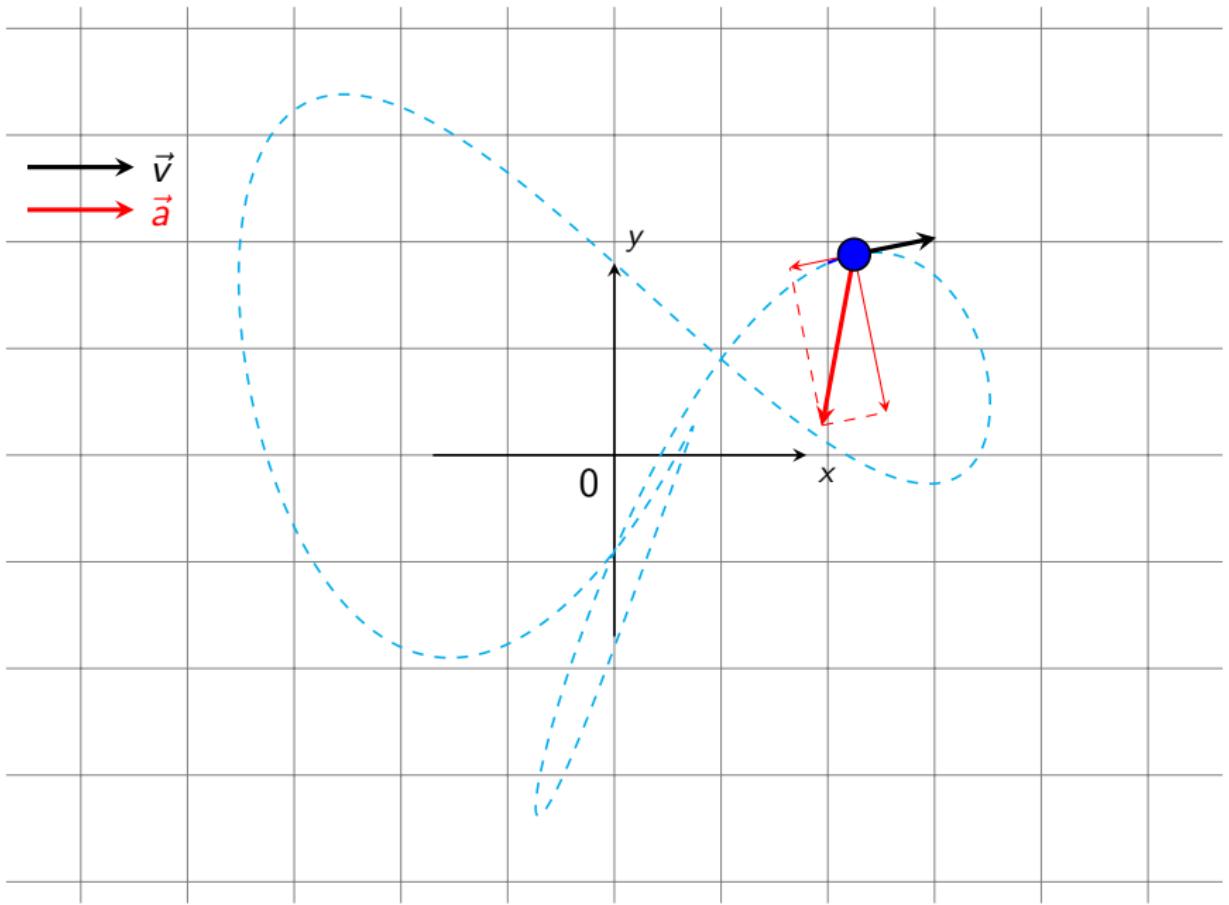
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- La position de l'objet est donnée à chaque instant t par le vecteur position $\vec{r}(t)$.
- La vitesse de l'objet est donnée à chaque instant t par le vecteur vitesse $\vec{v}(t)$. La vitesse est toujours tangente à la trajectoire.
- L'accélération de l'objet est donnée à chaque instant t par le vecteur accélération $\vec{a}(t)$. Elle peut être décomposée selon la tangente et selon la normale de la trajectoire. L'accélération normale est toujours dirigée vers l'intérieur du virage.

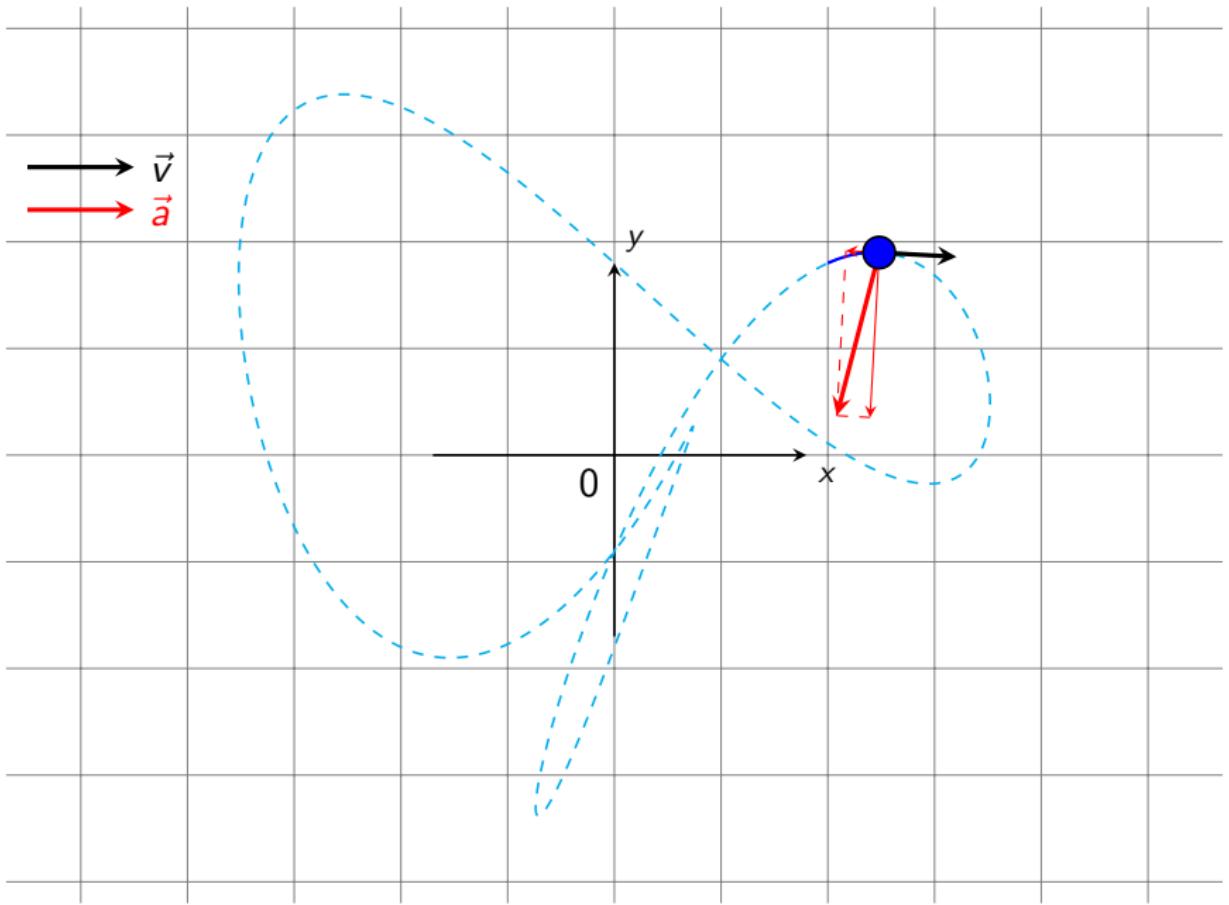
Une voiture sur une route

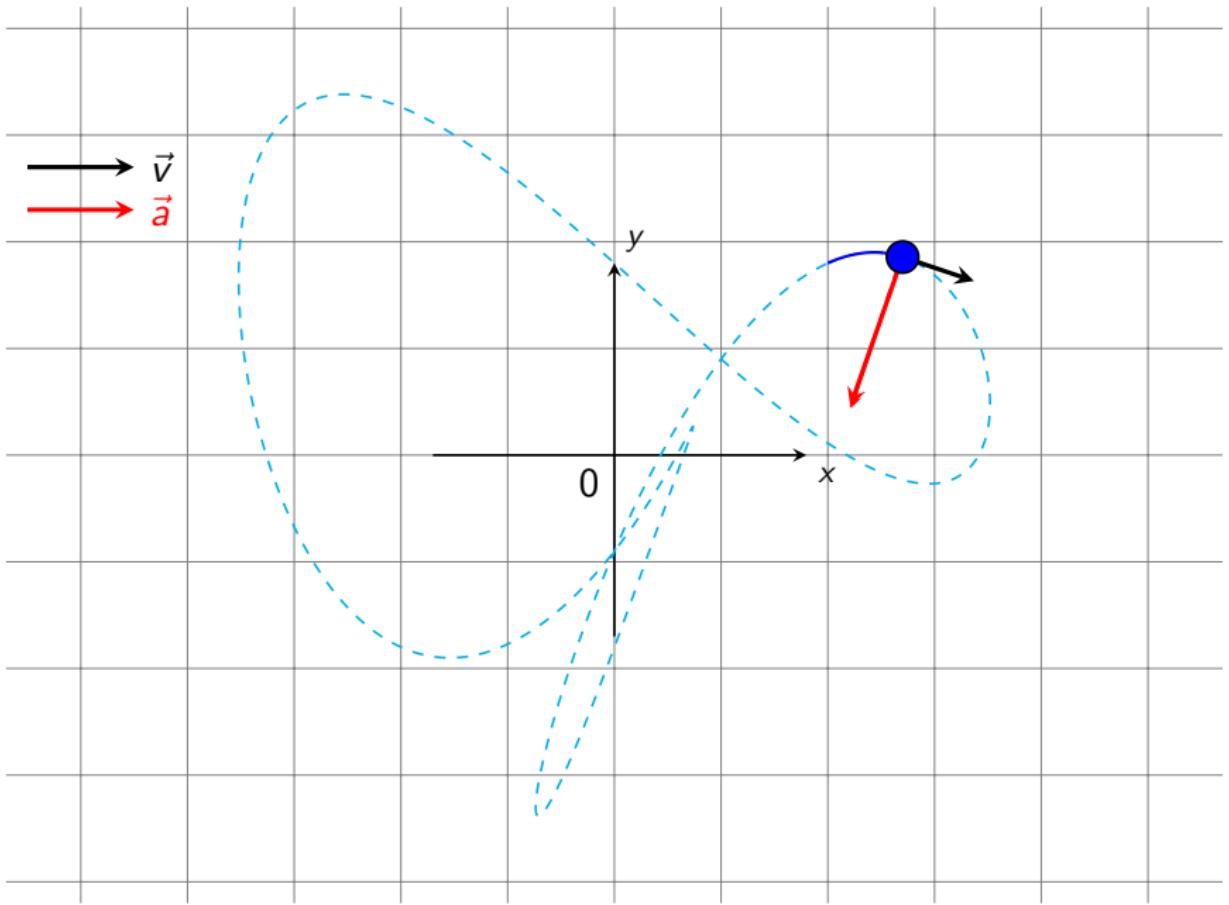


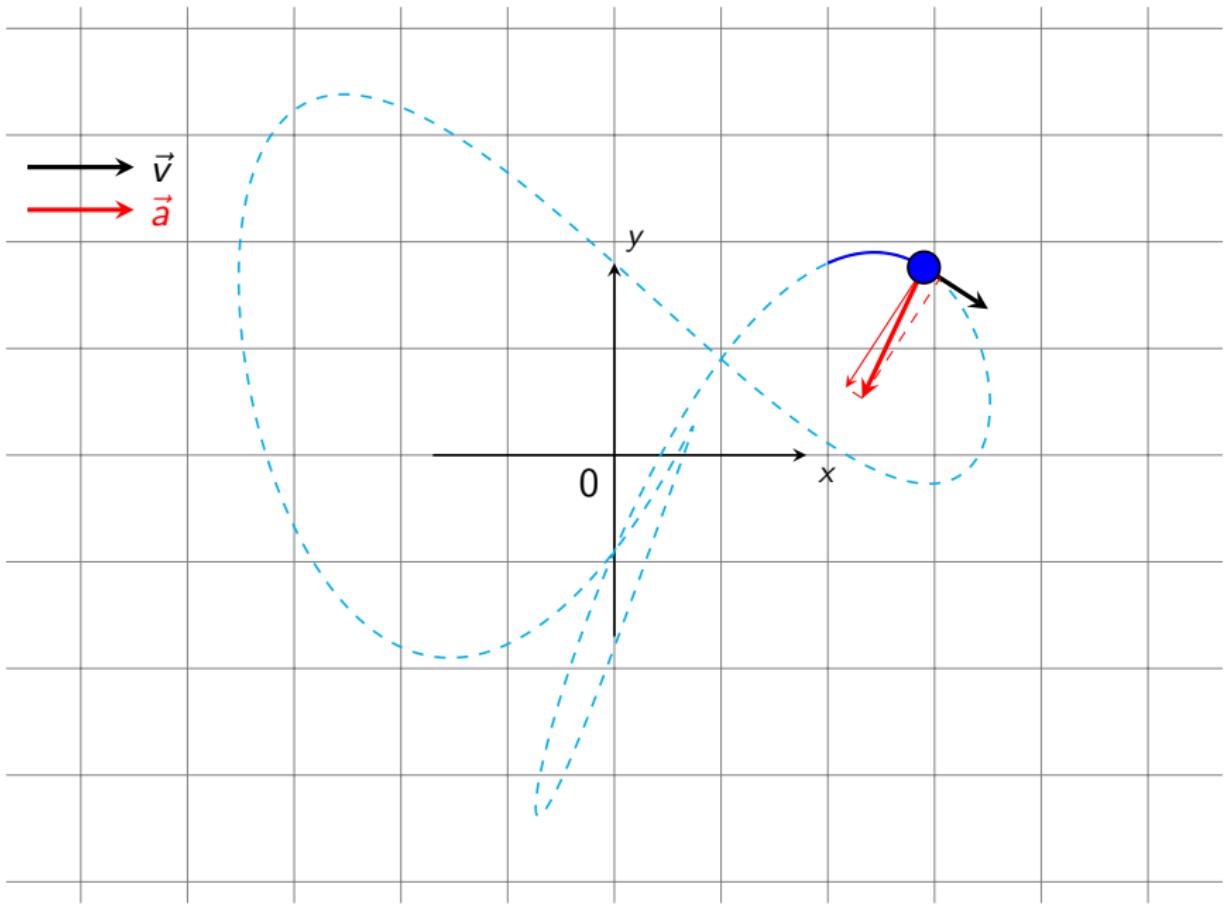
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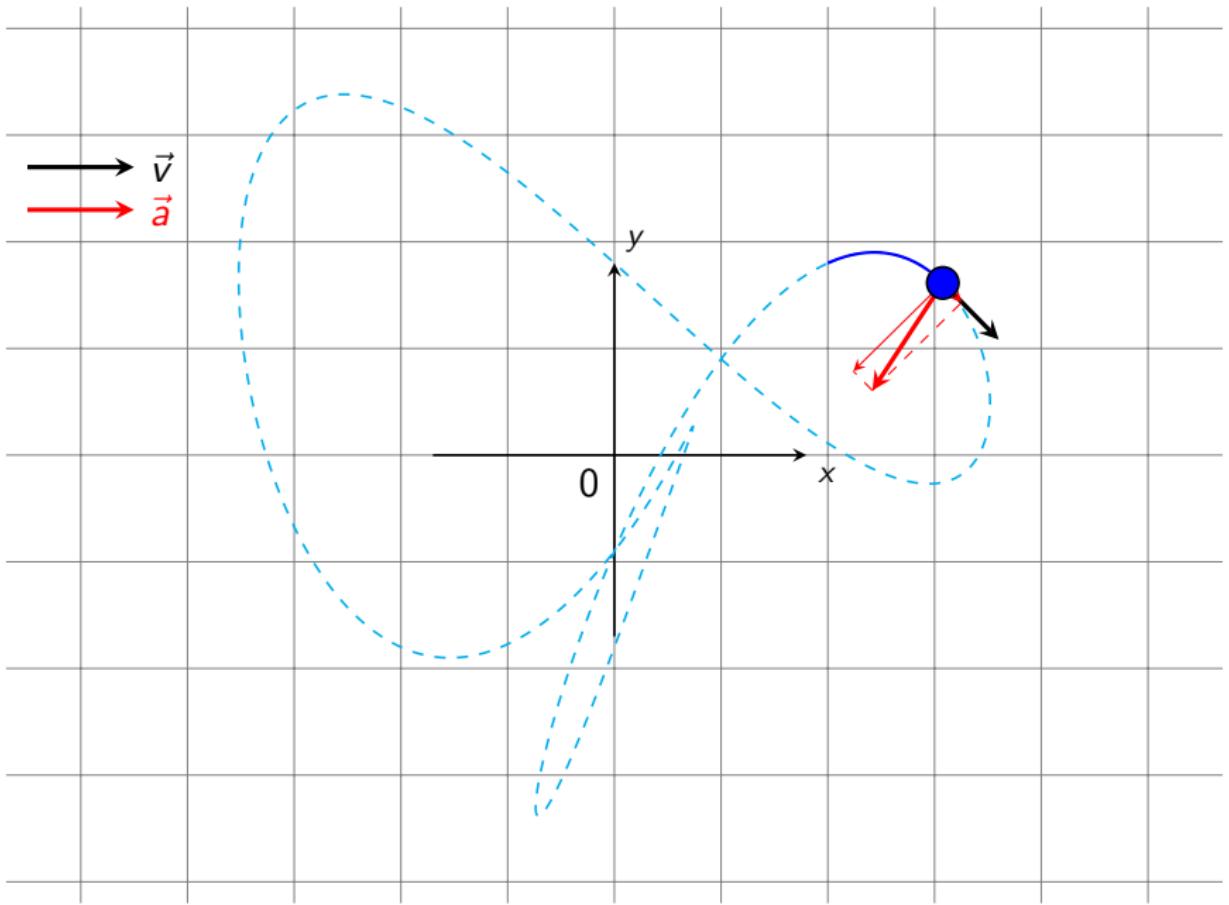
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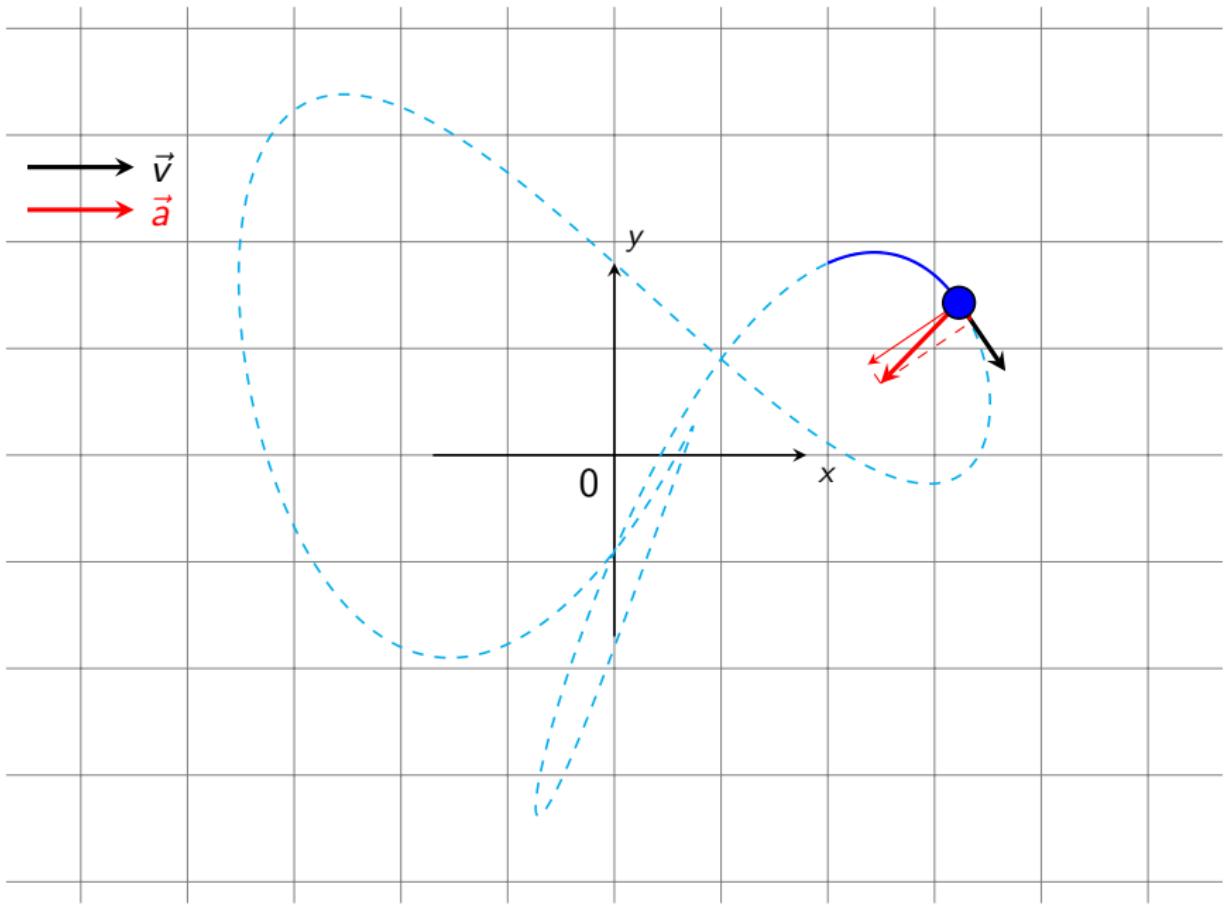


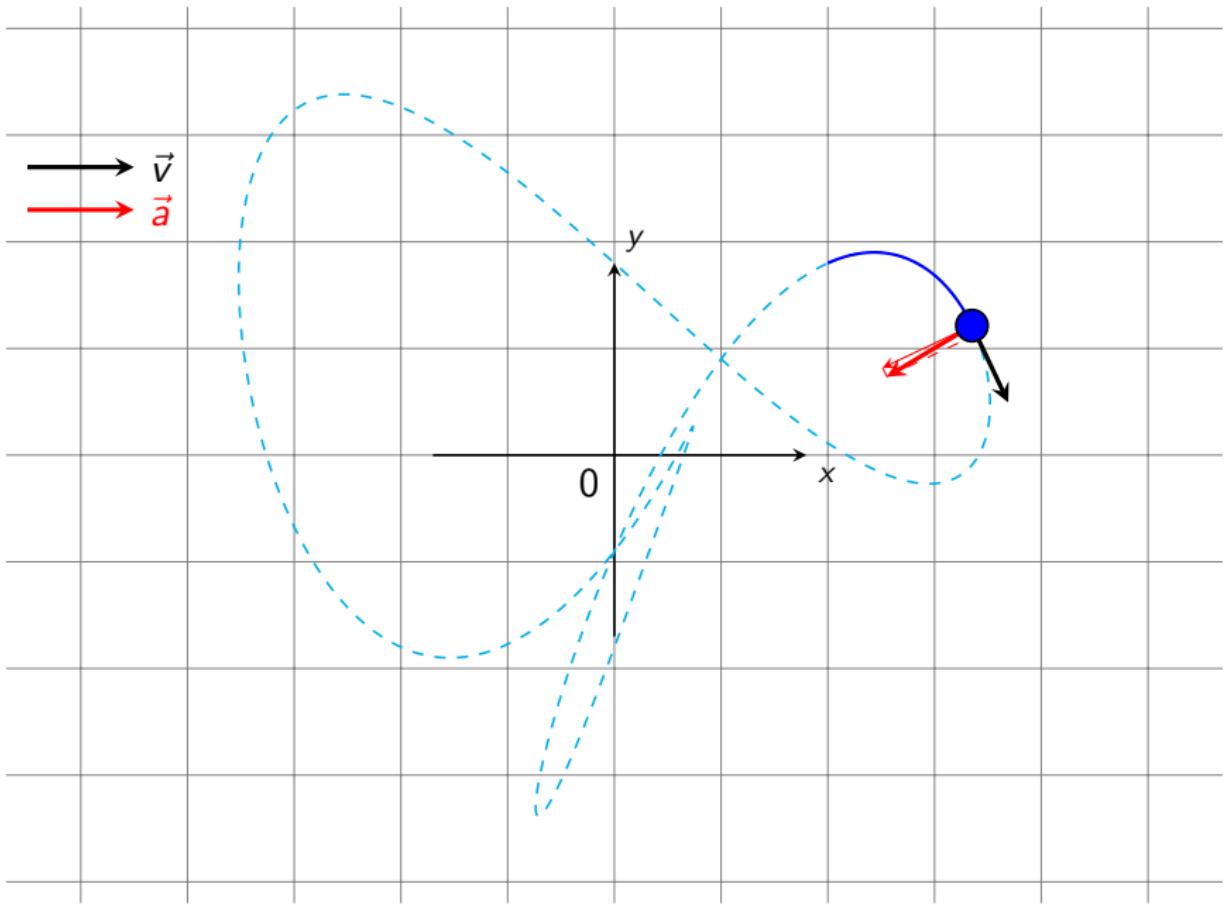


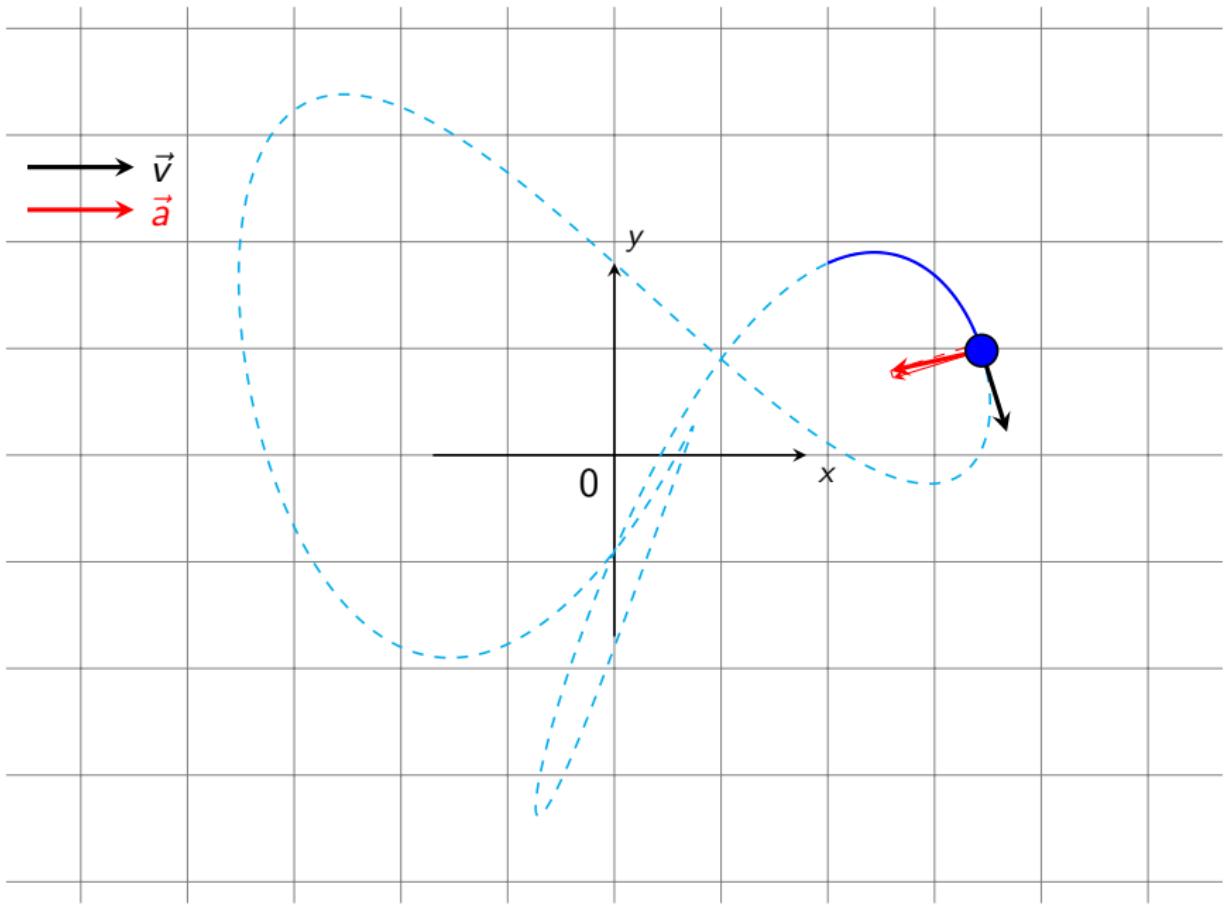


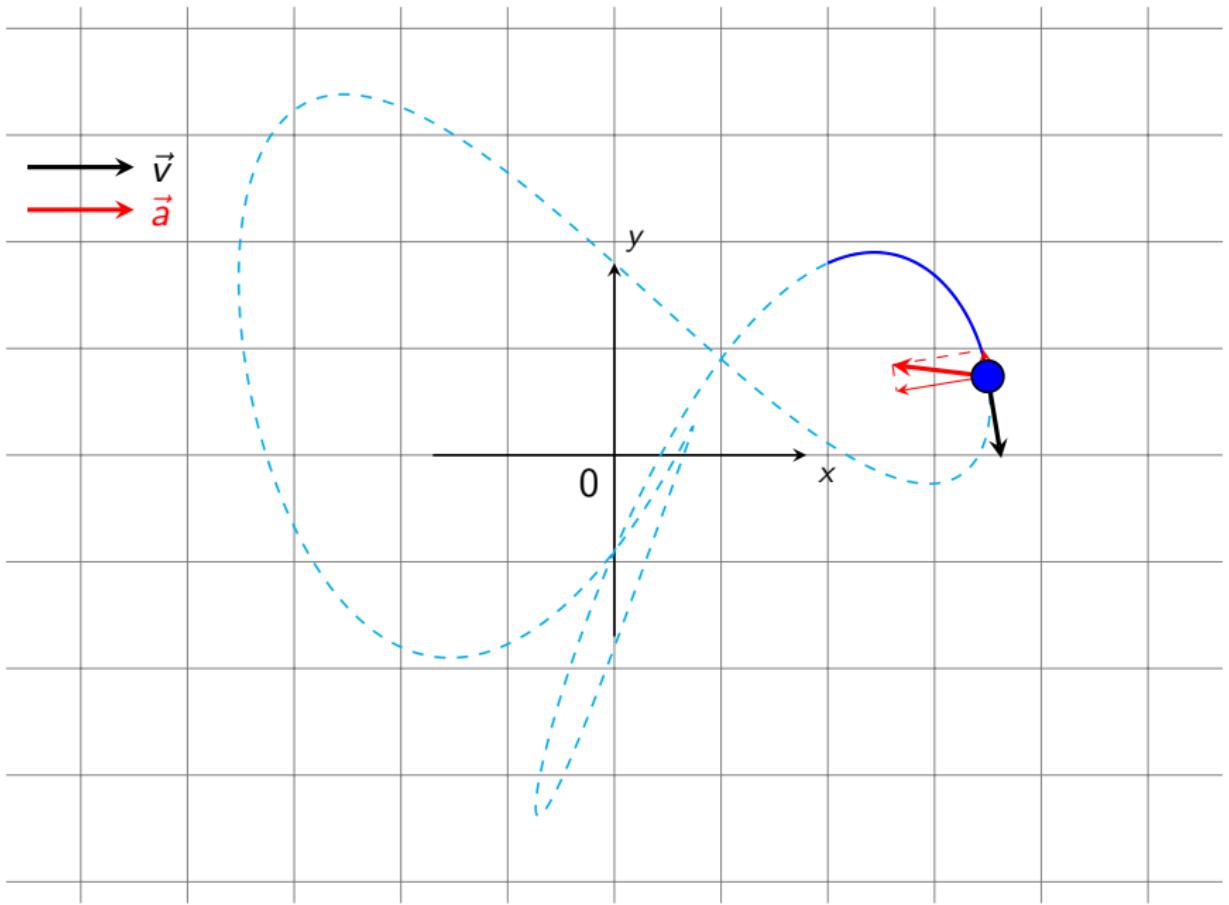


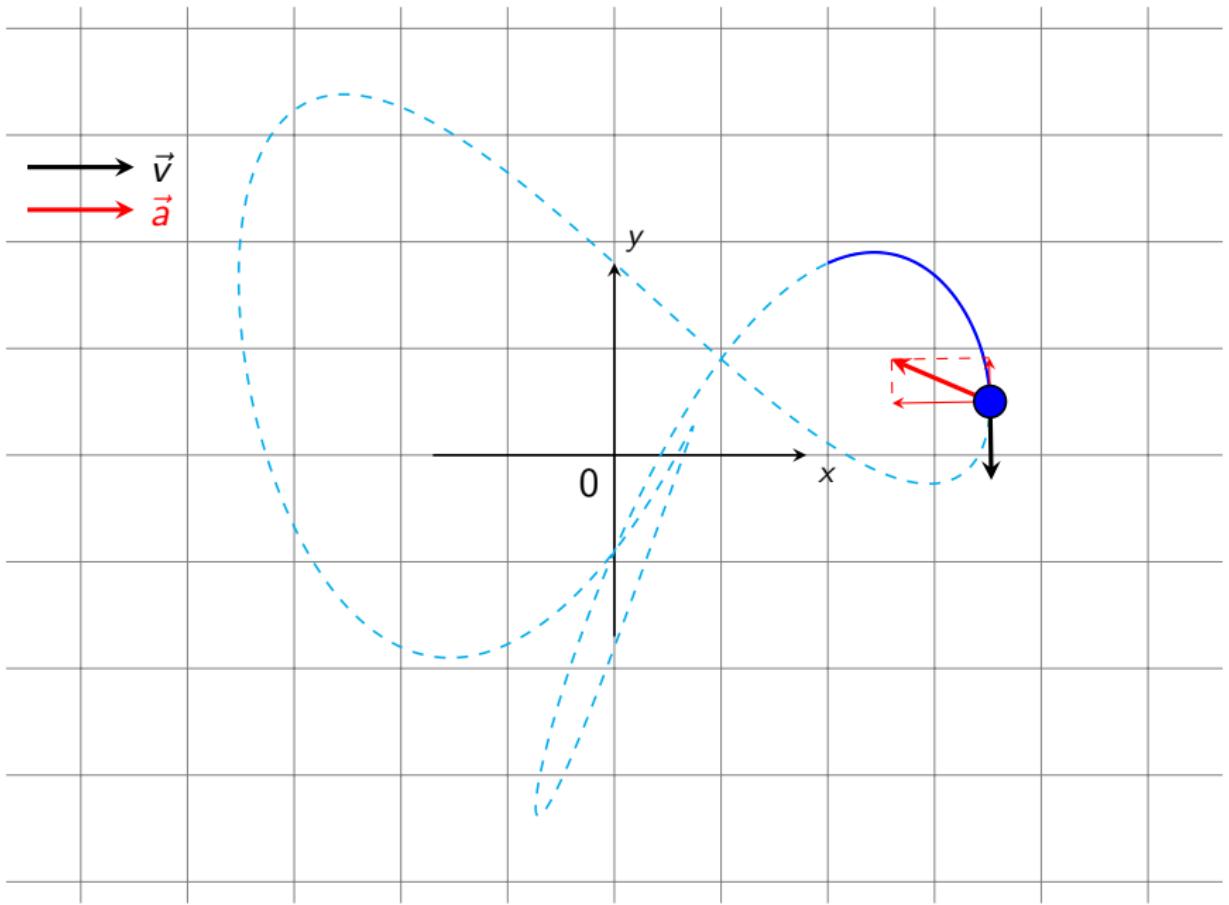


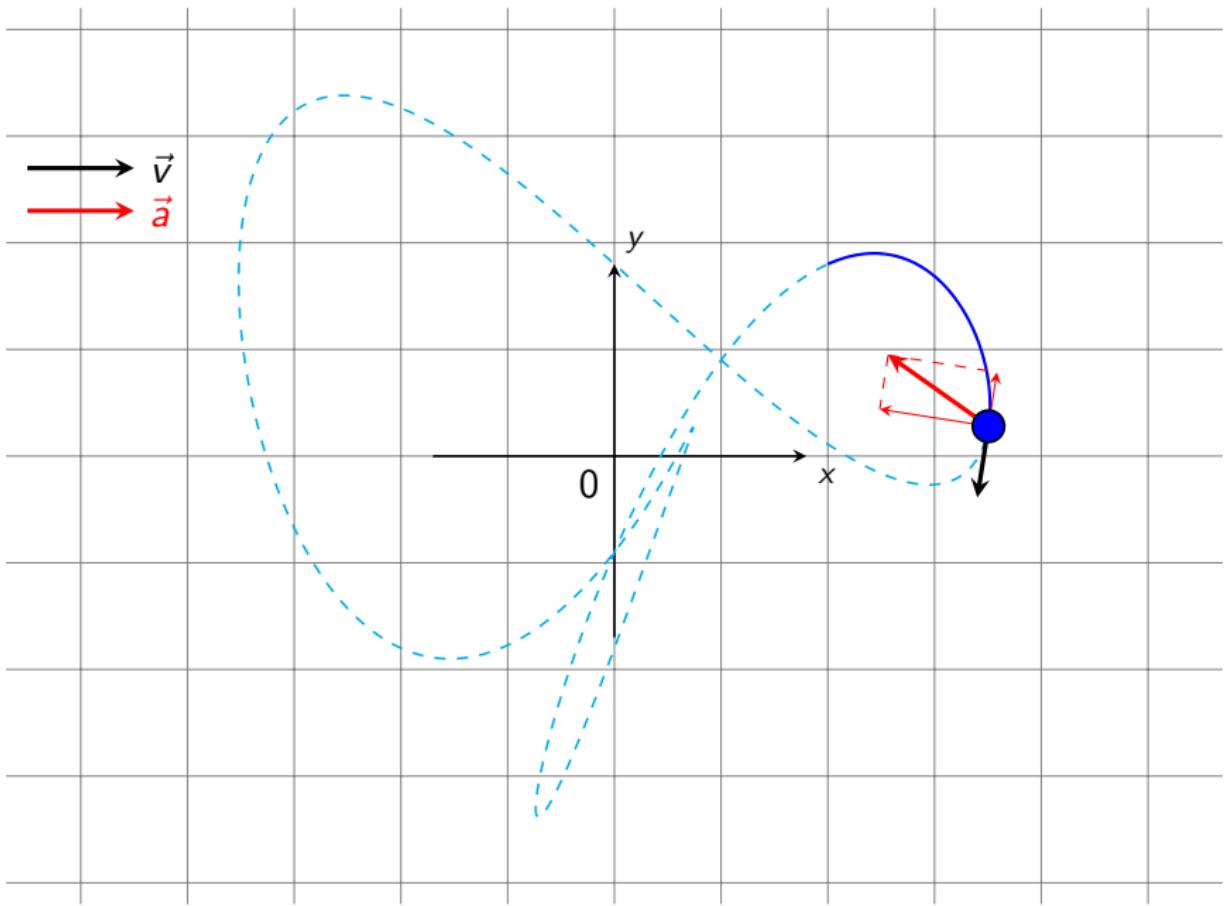


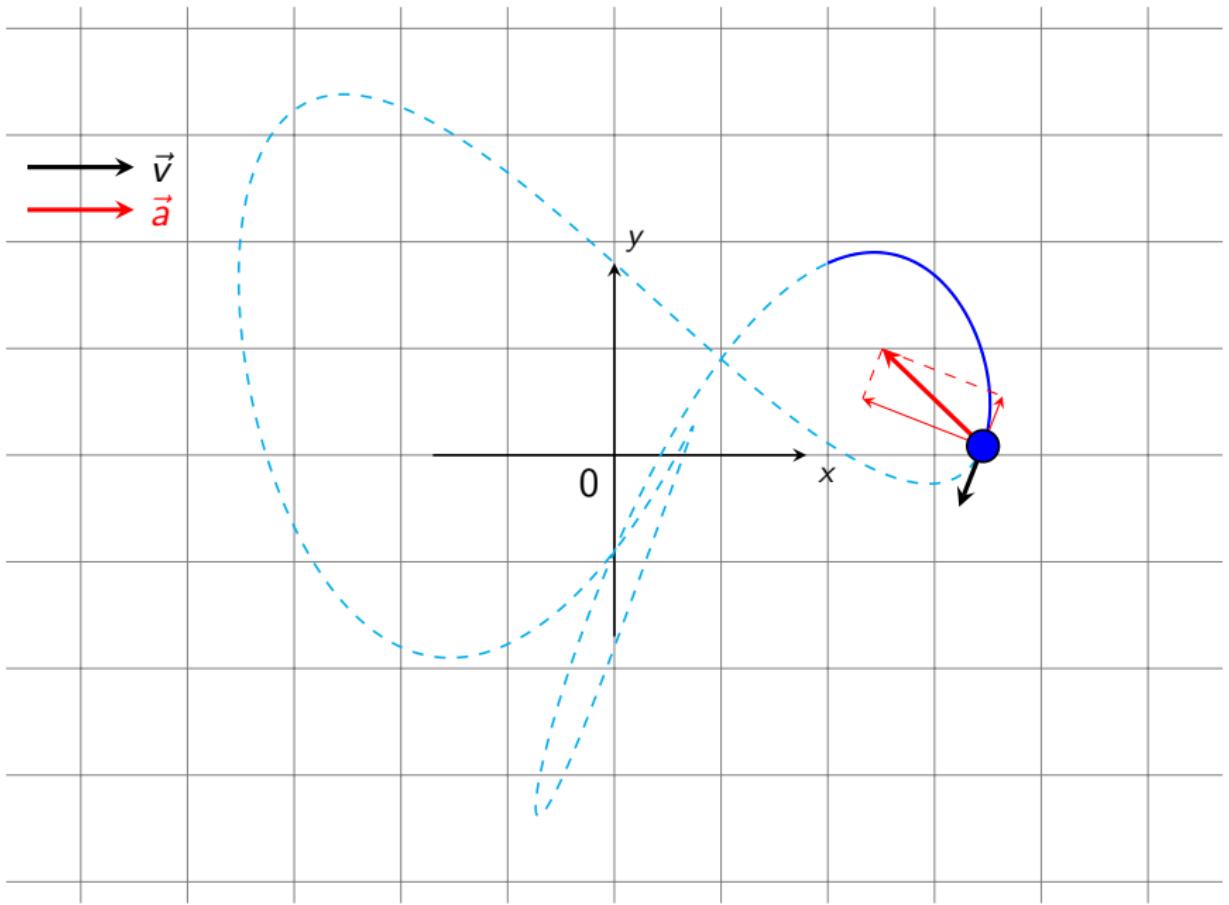


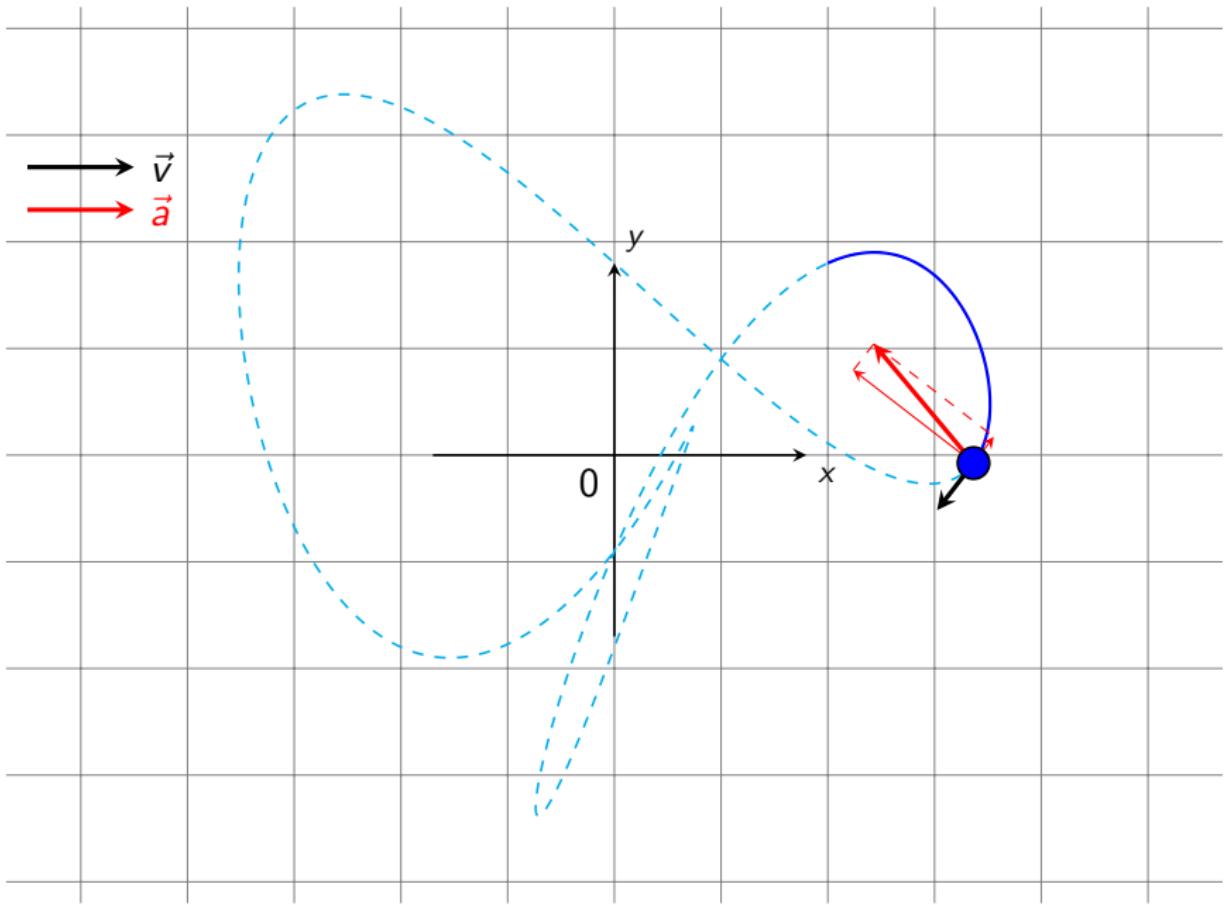


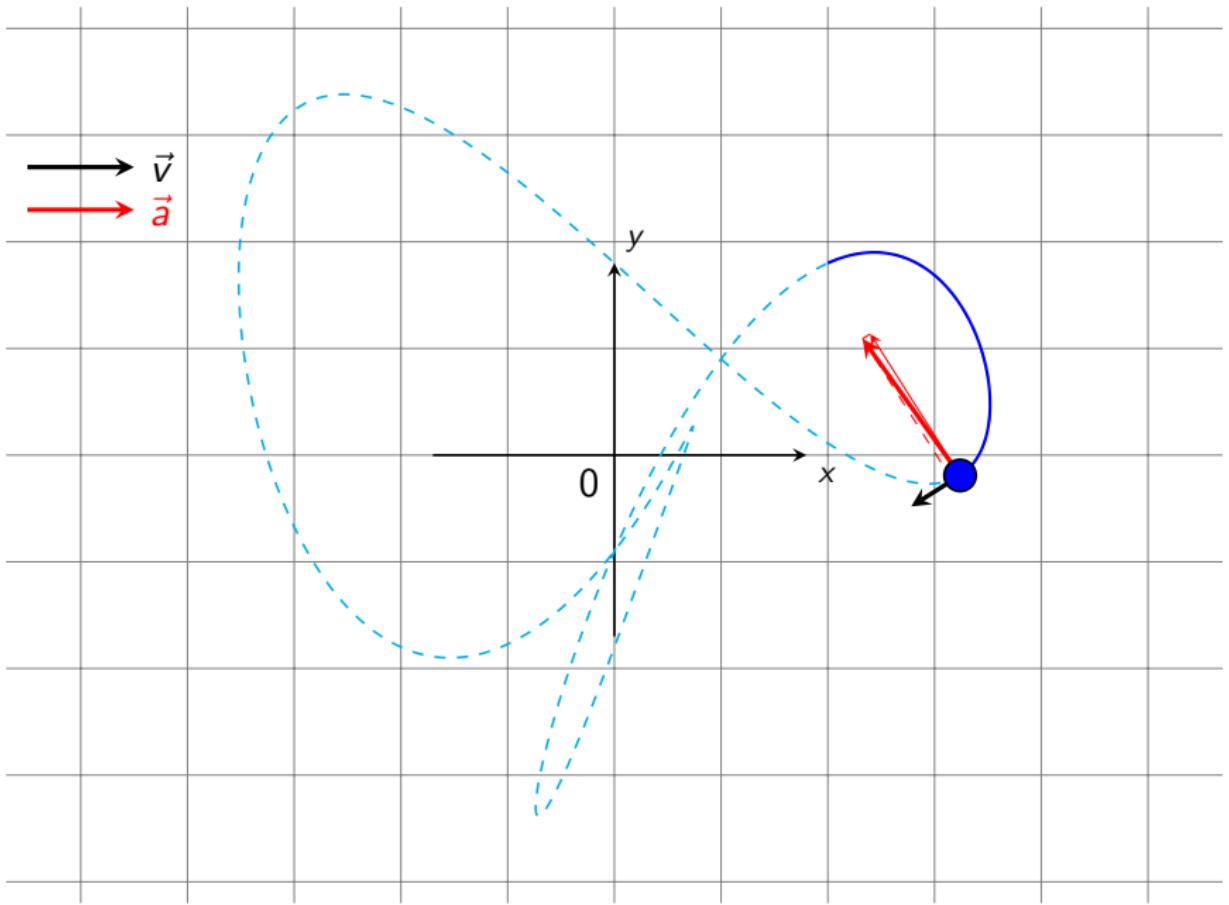


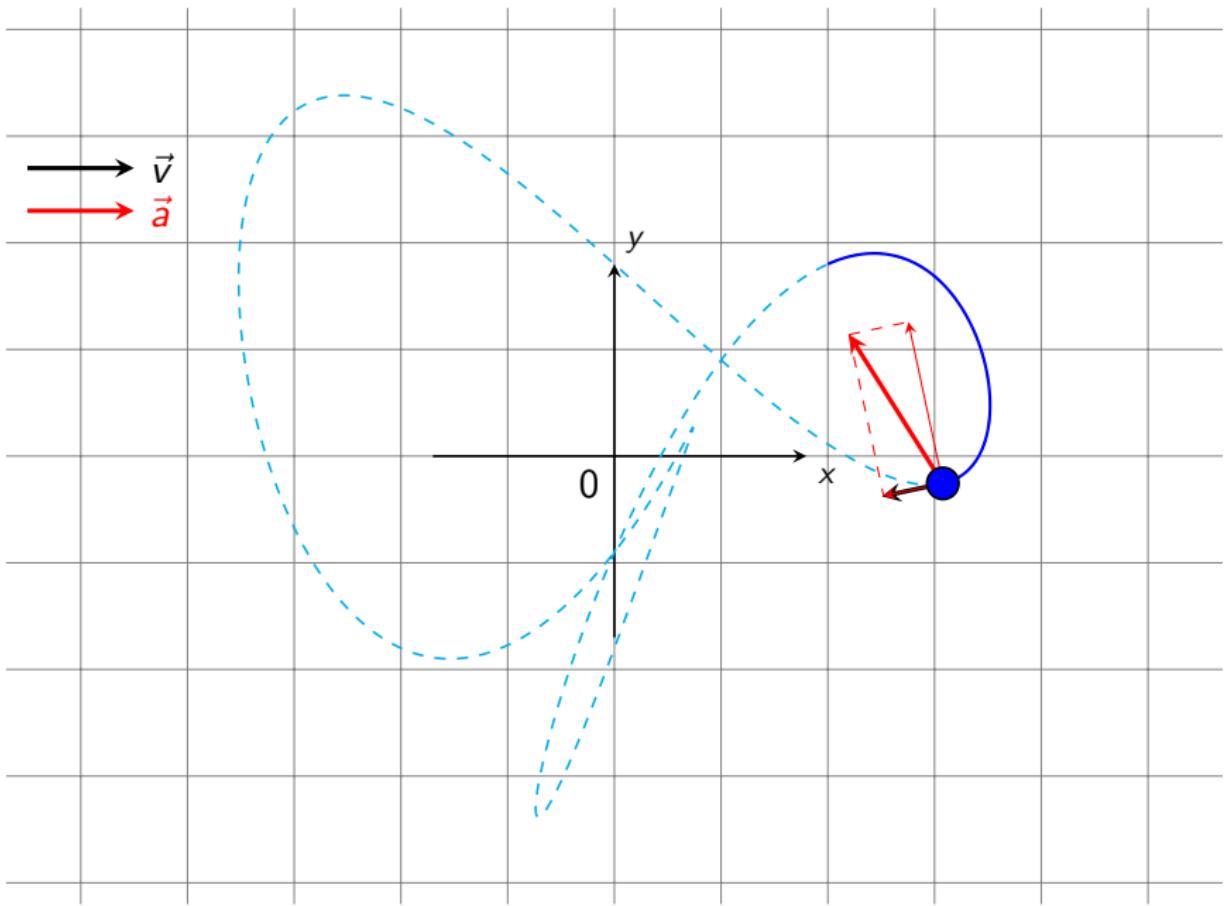


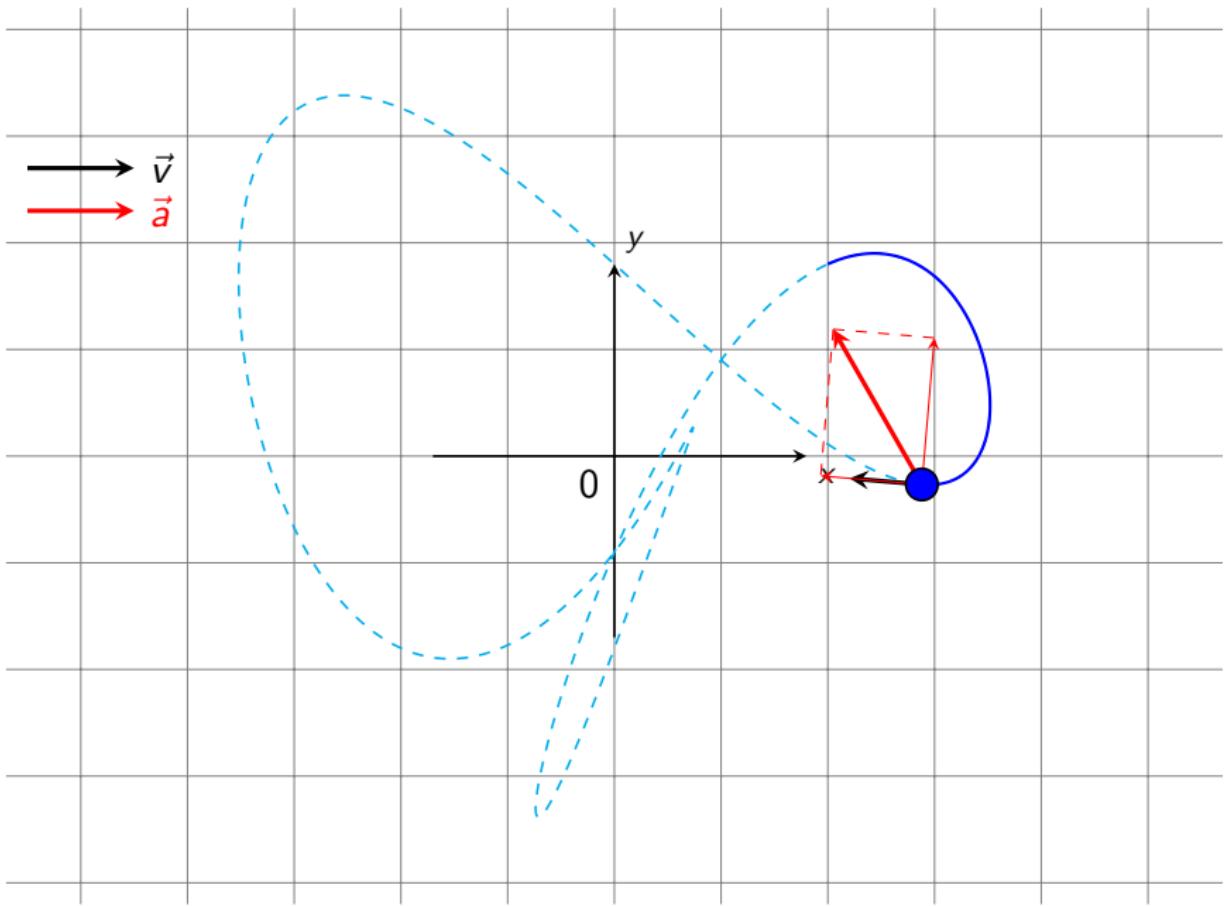


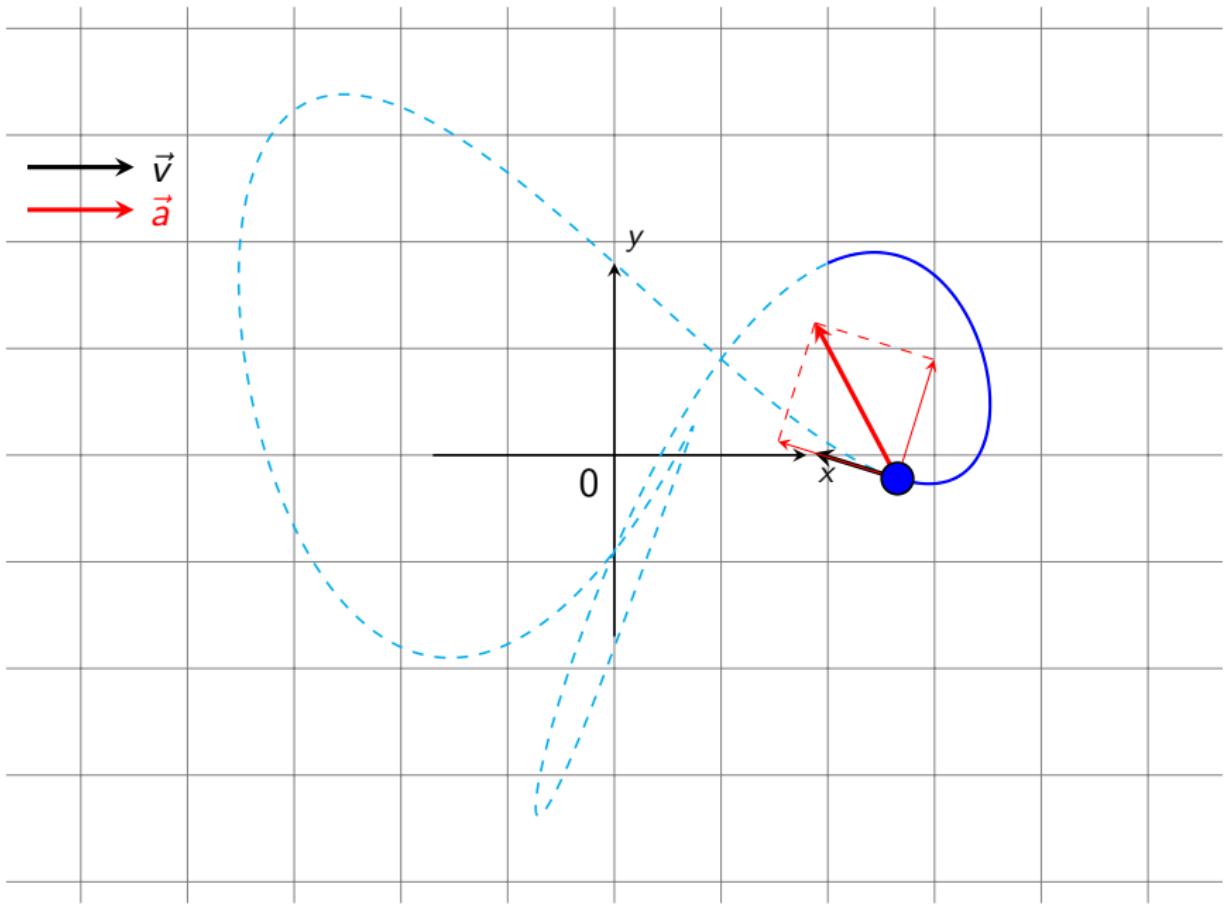


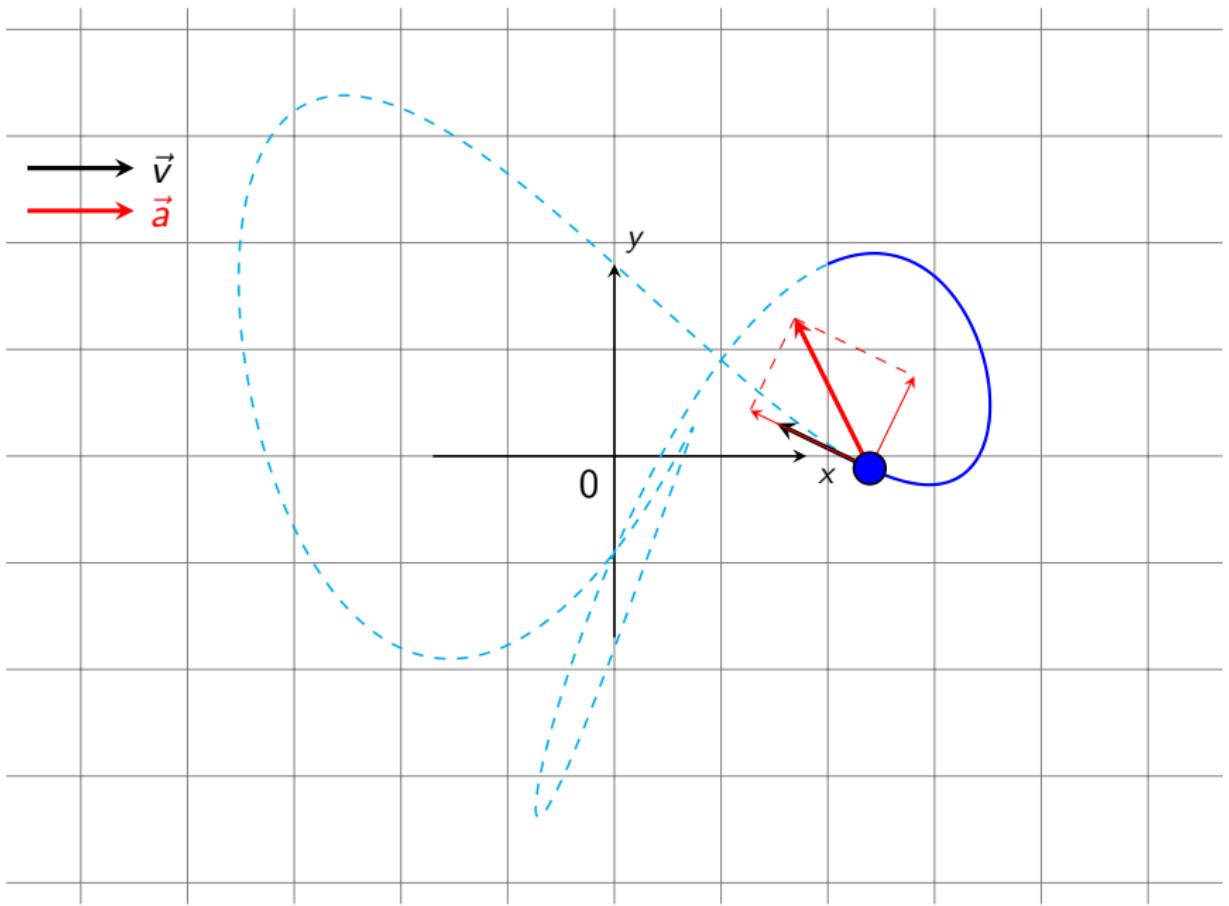


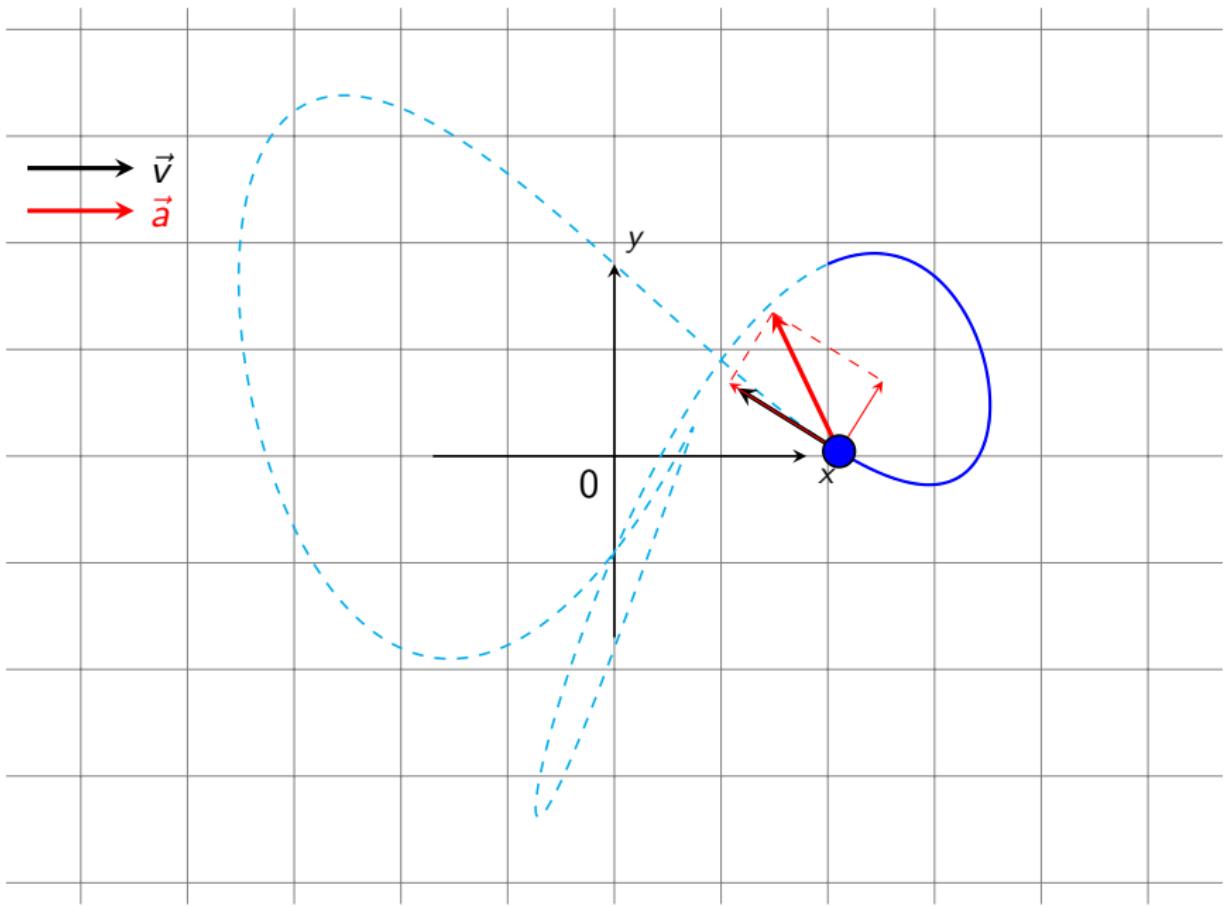


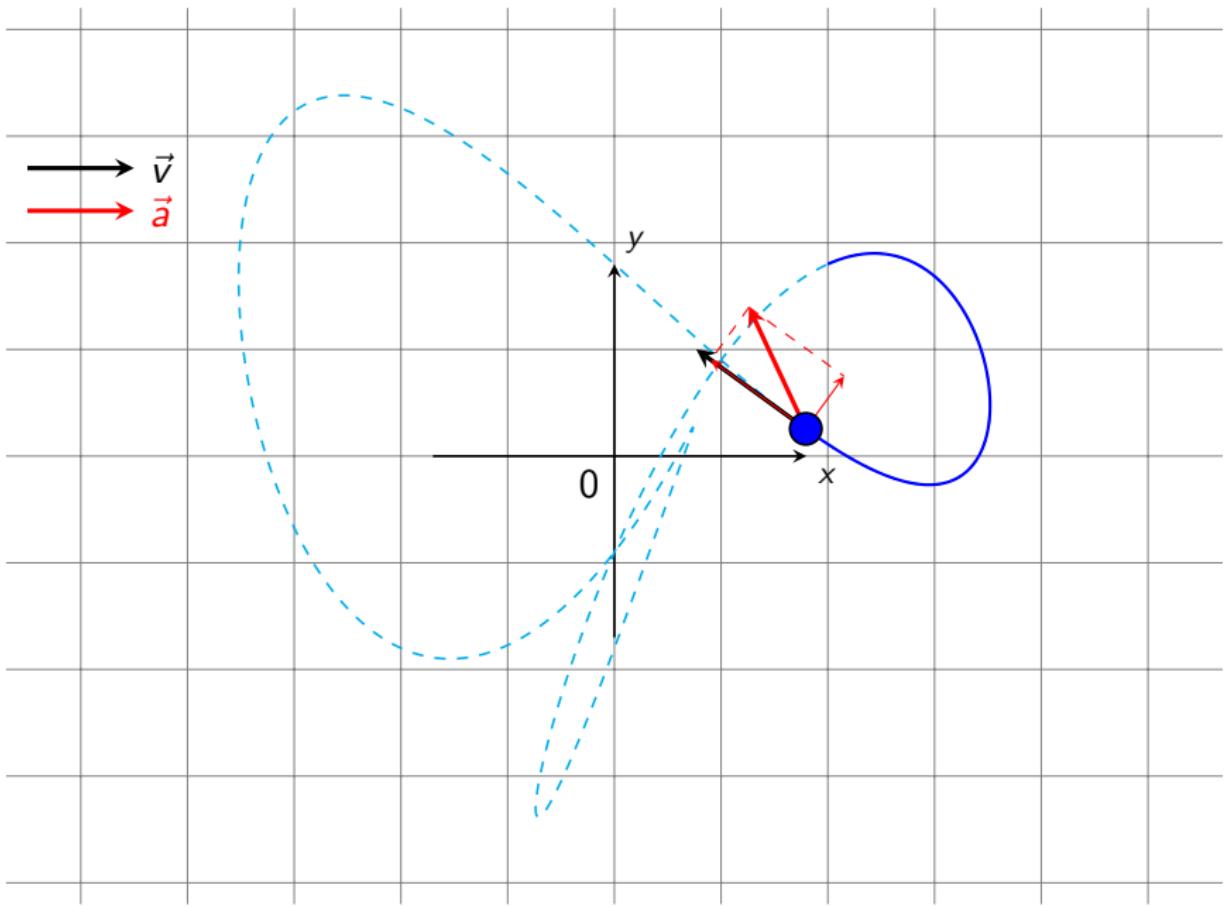


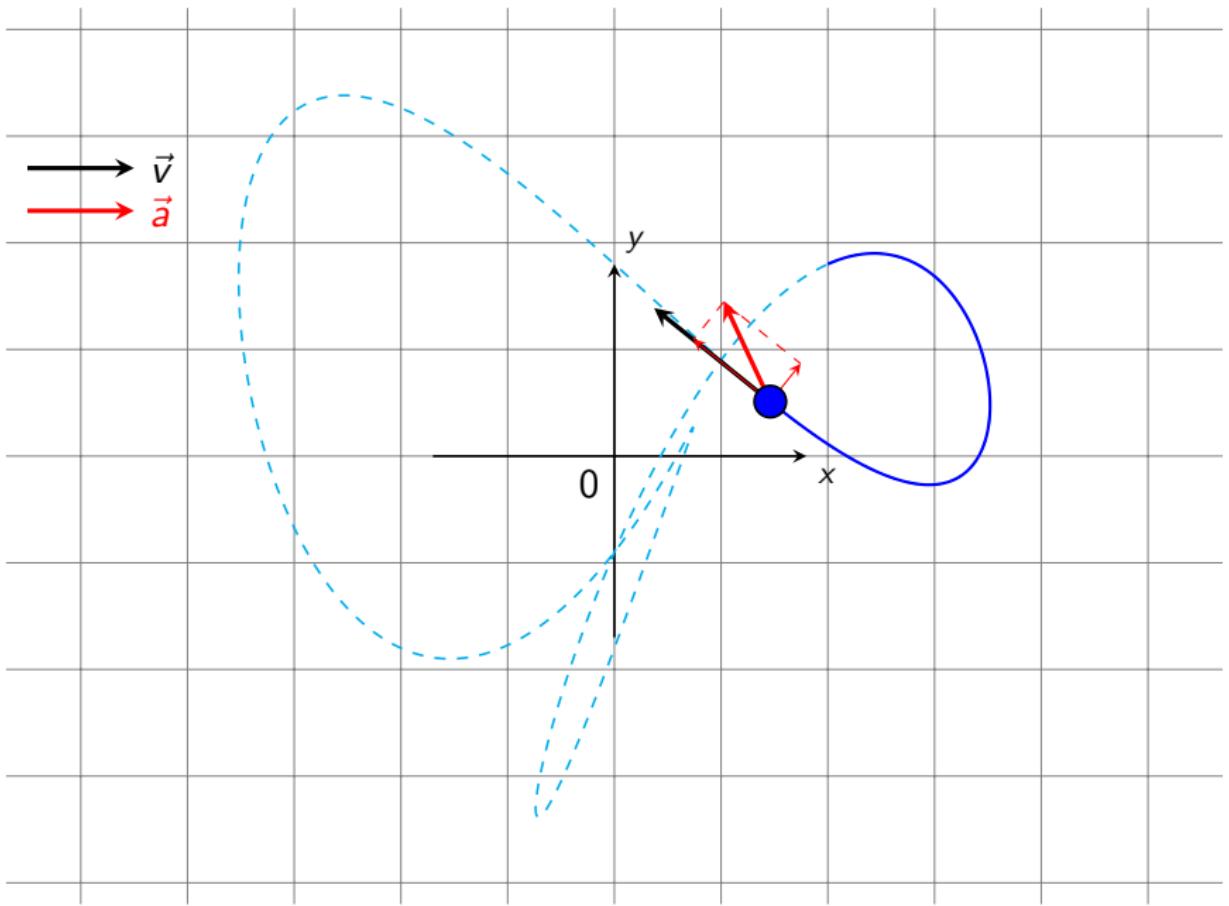


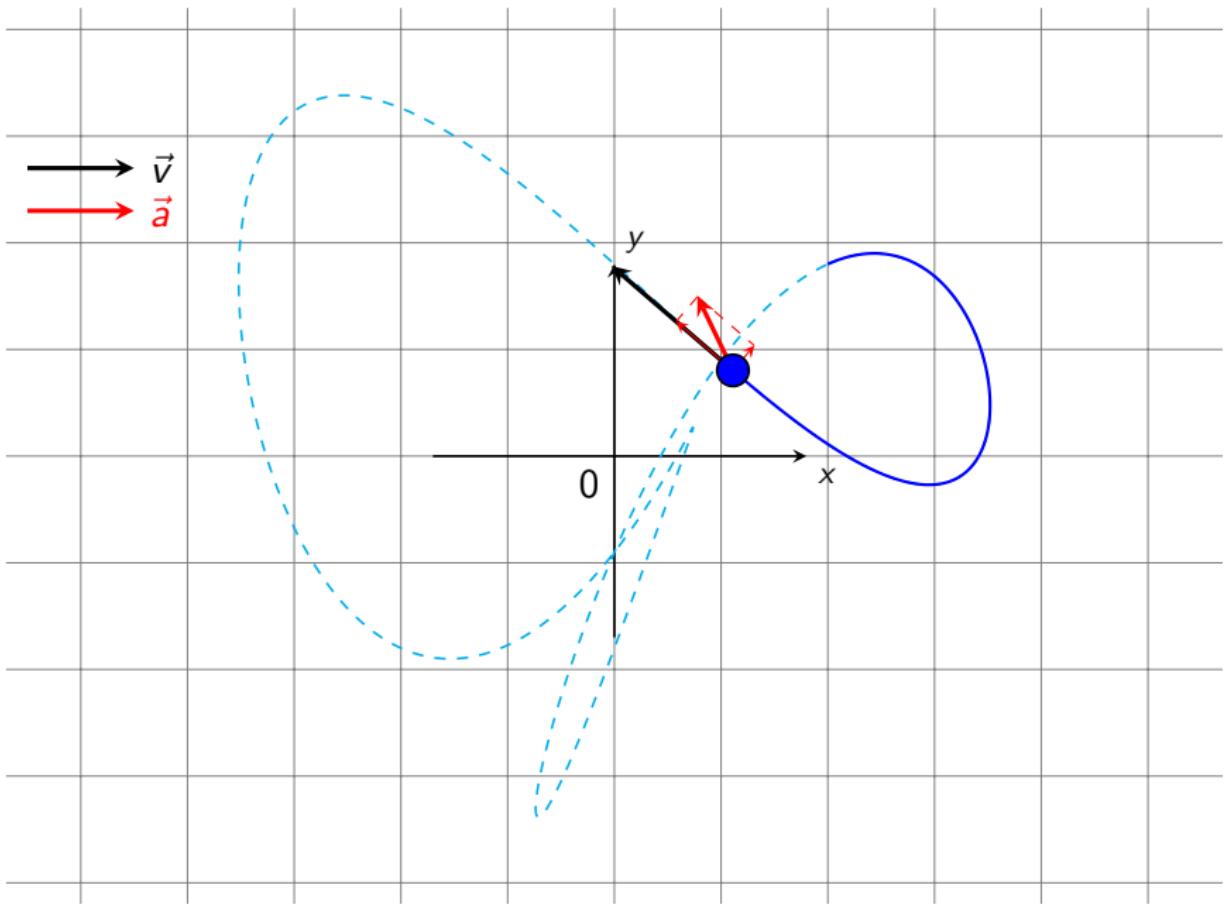






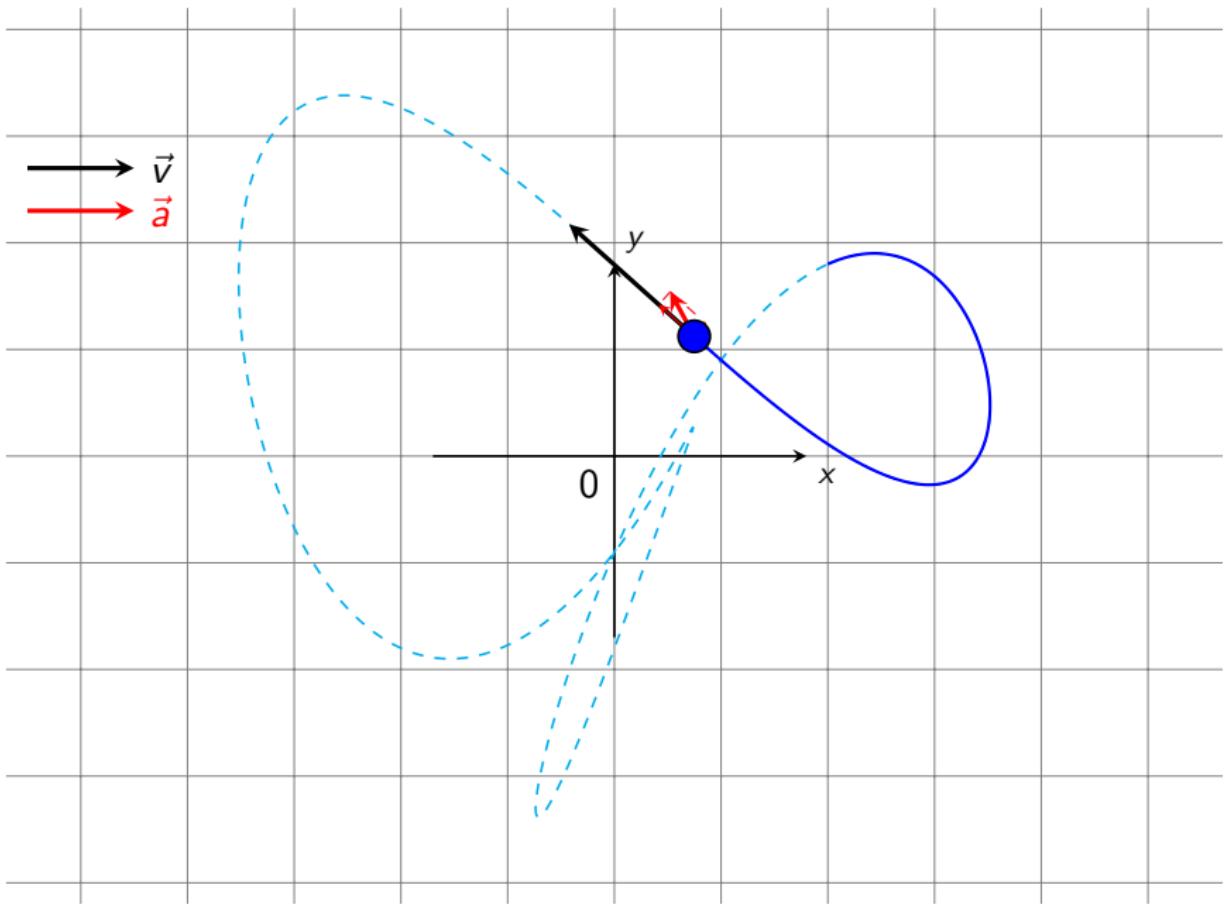






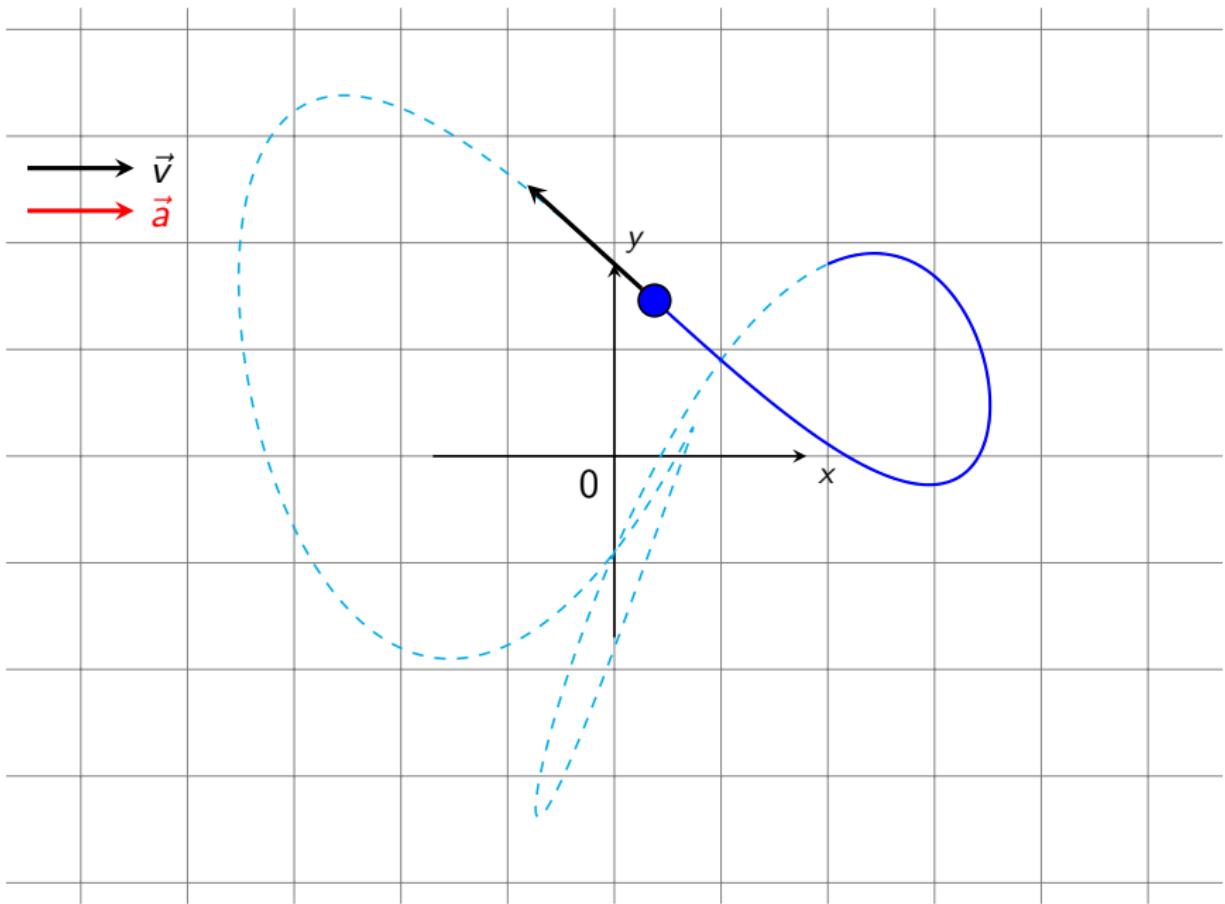
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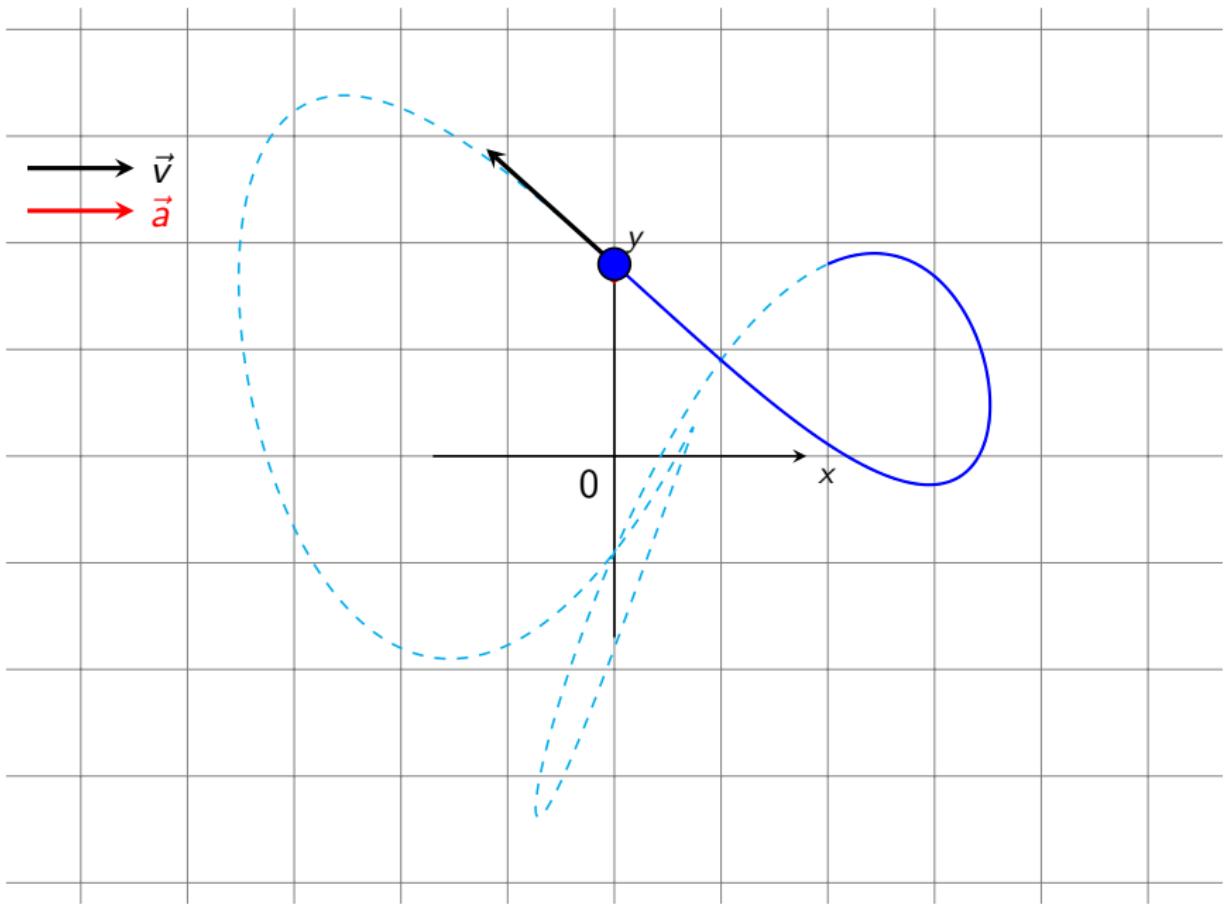
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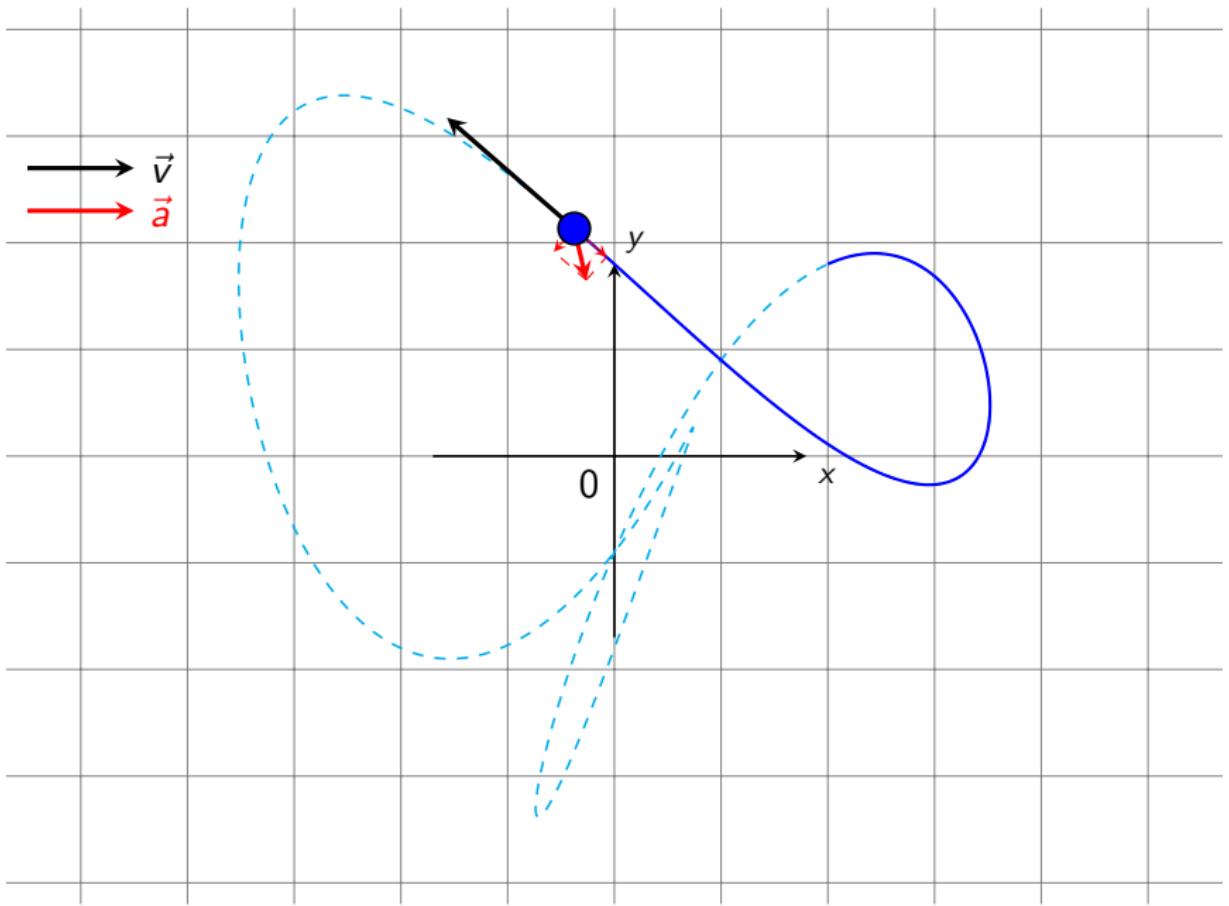
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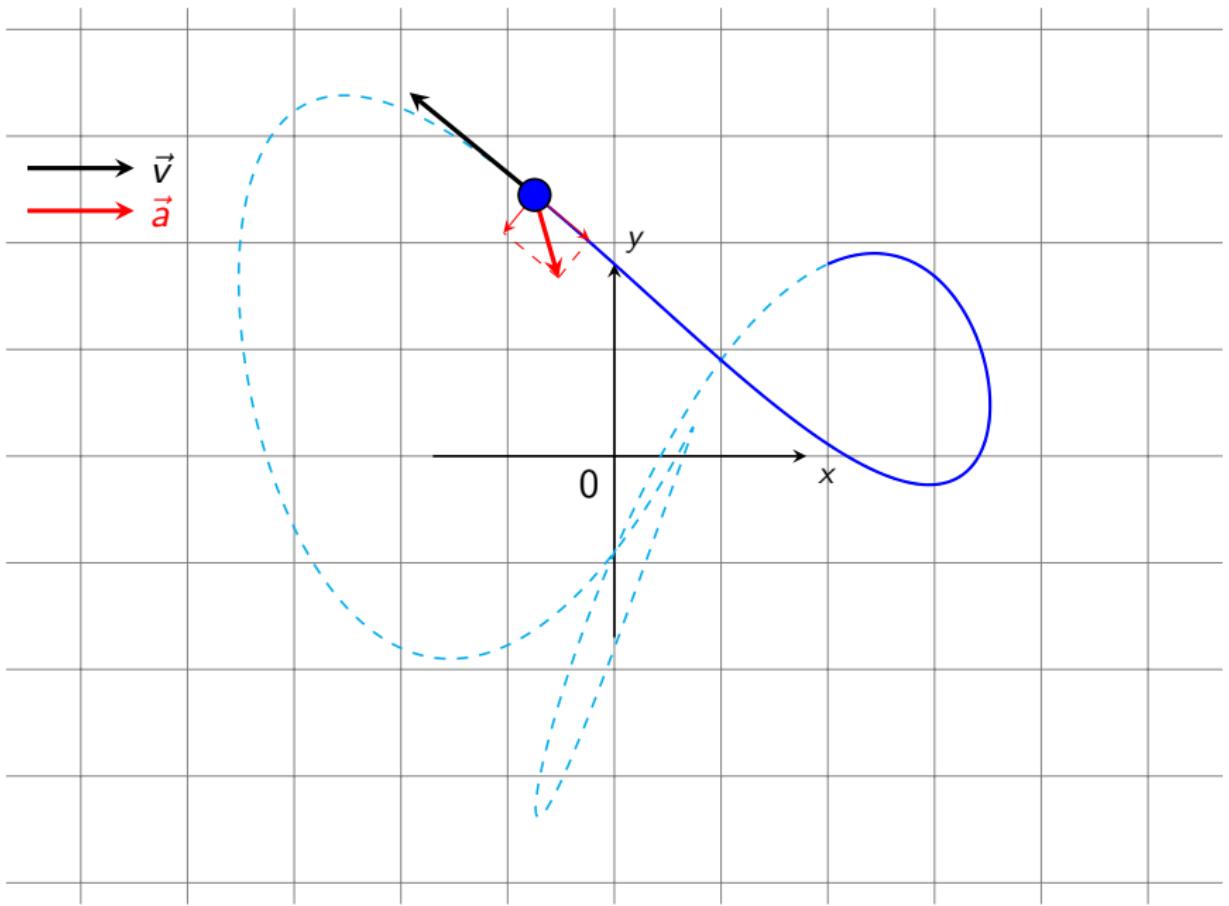
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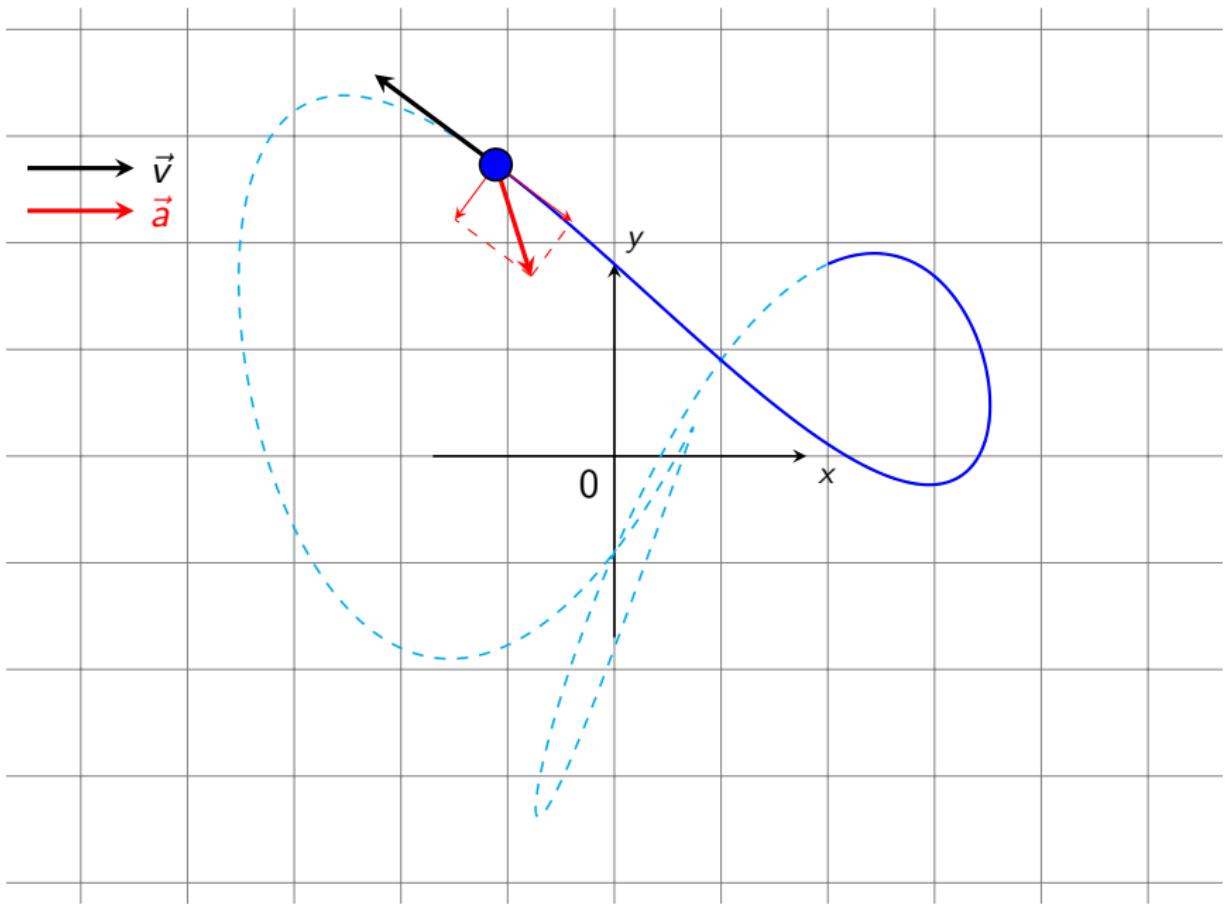


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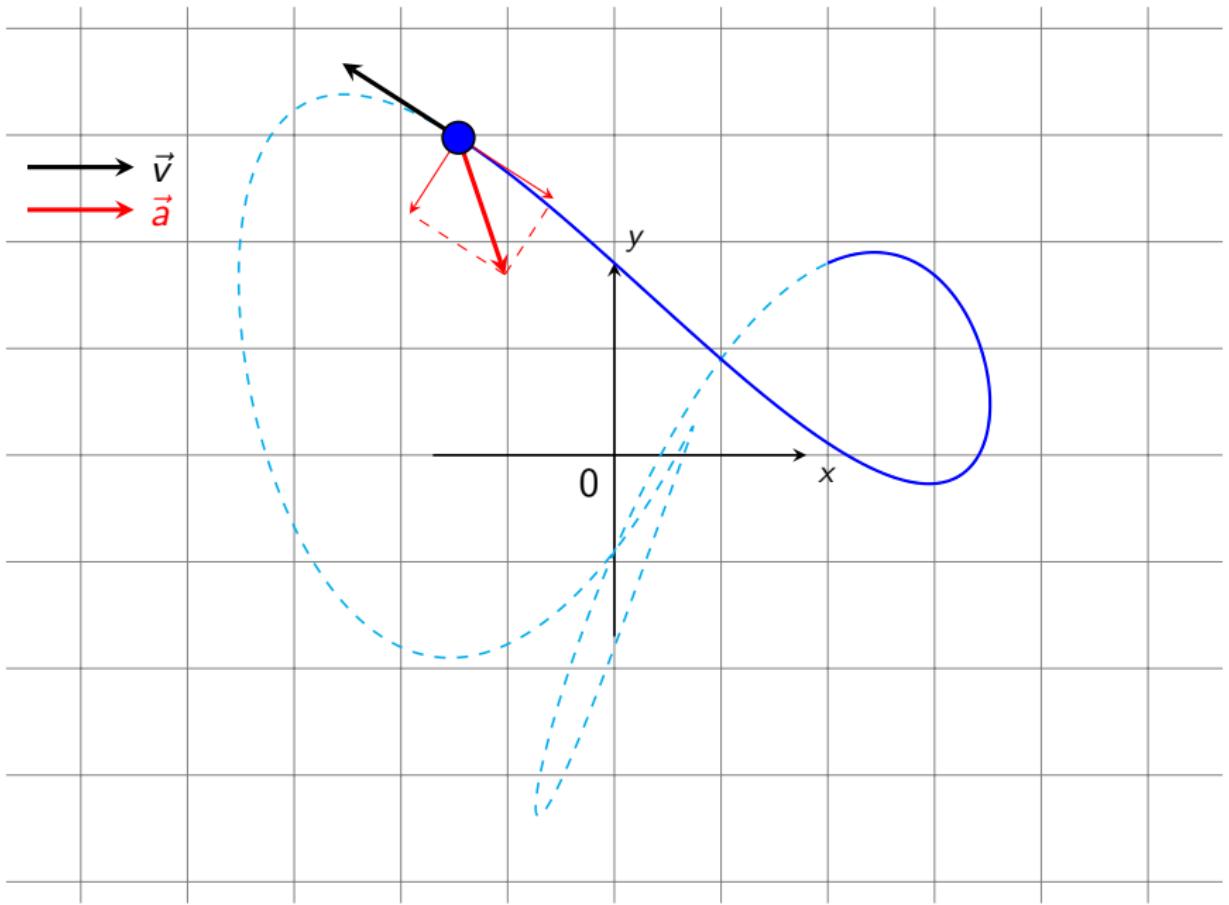


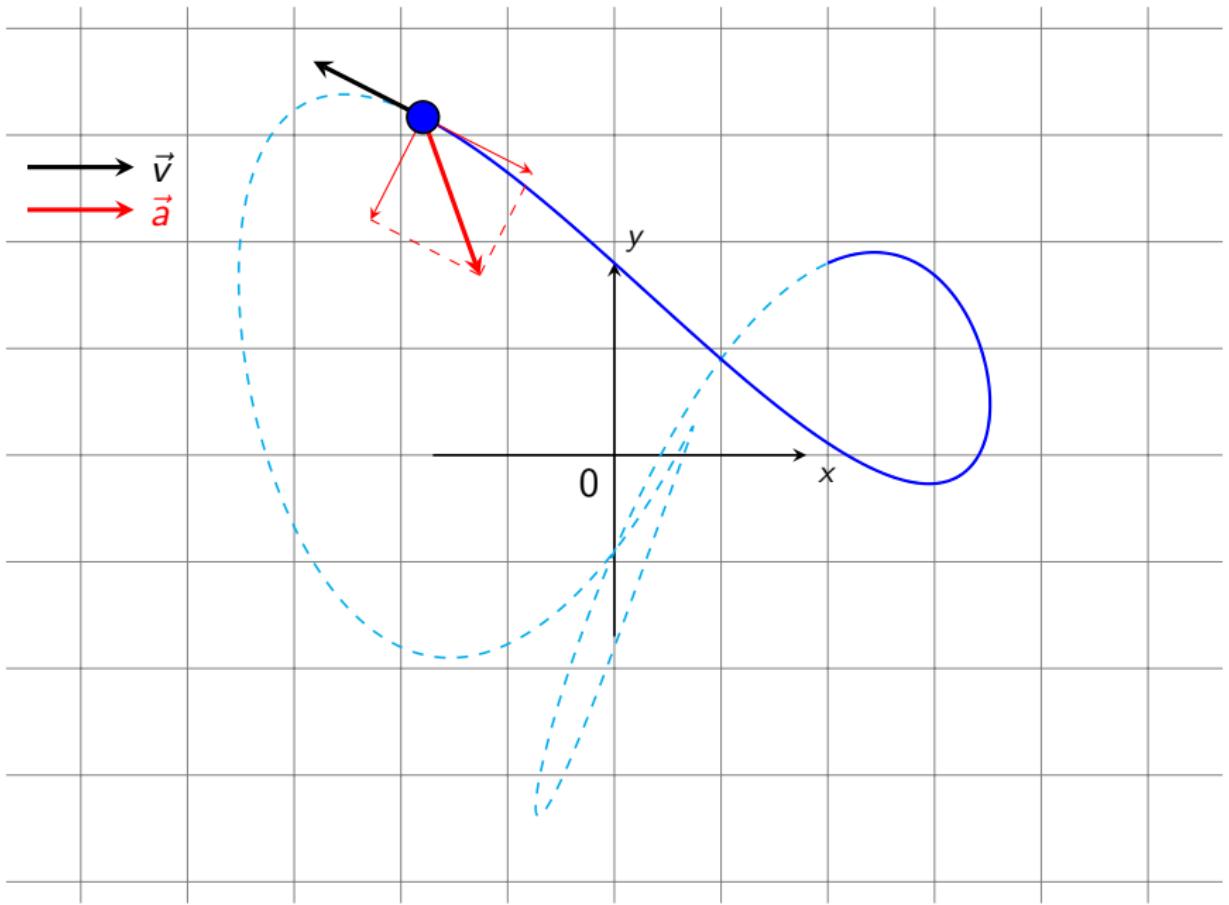


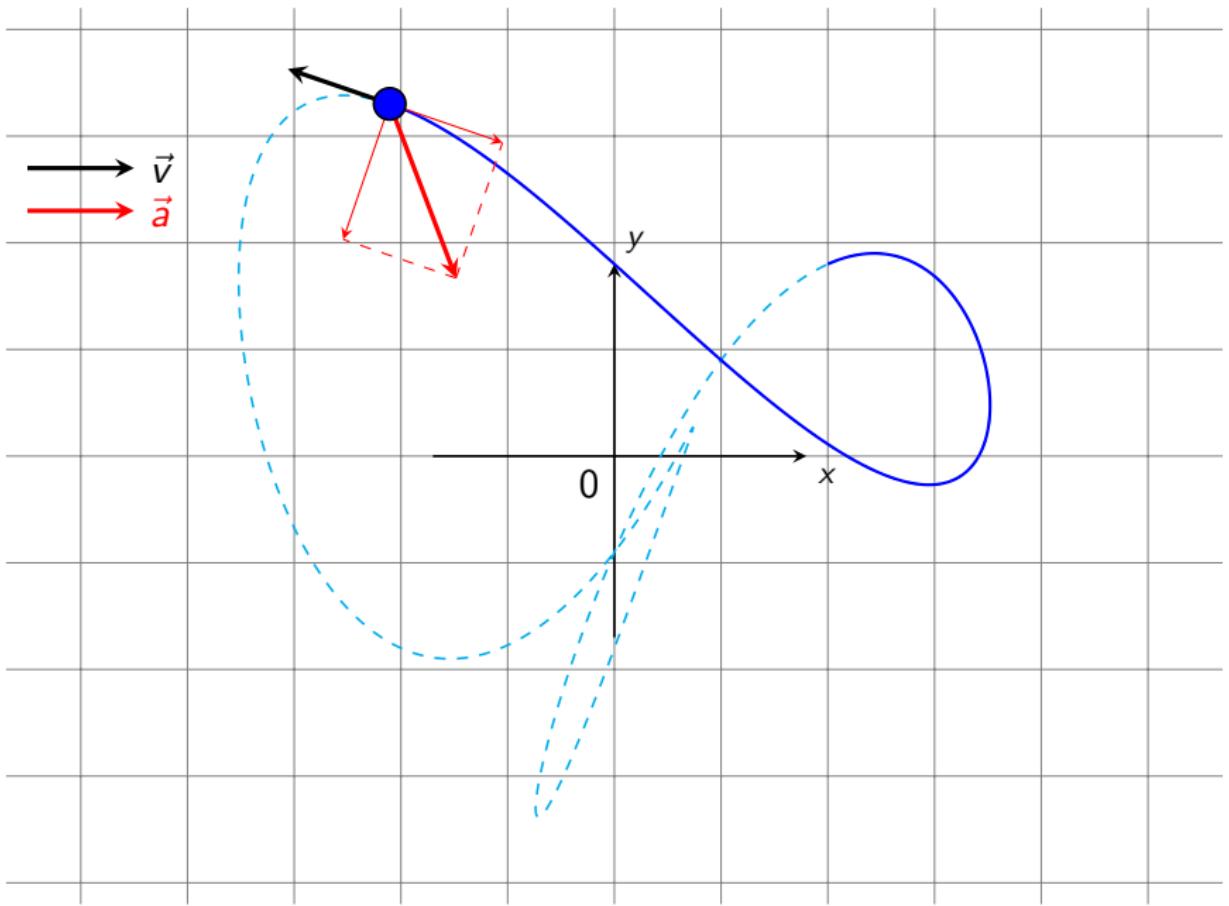


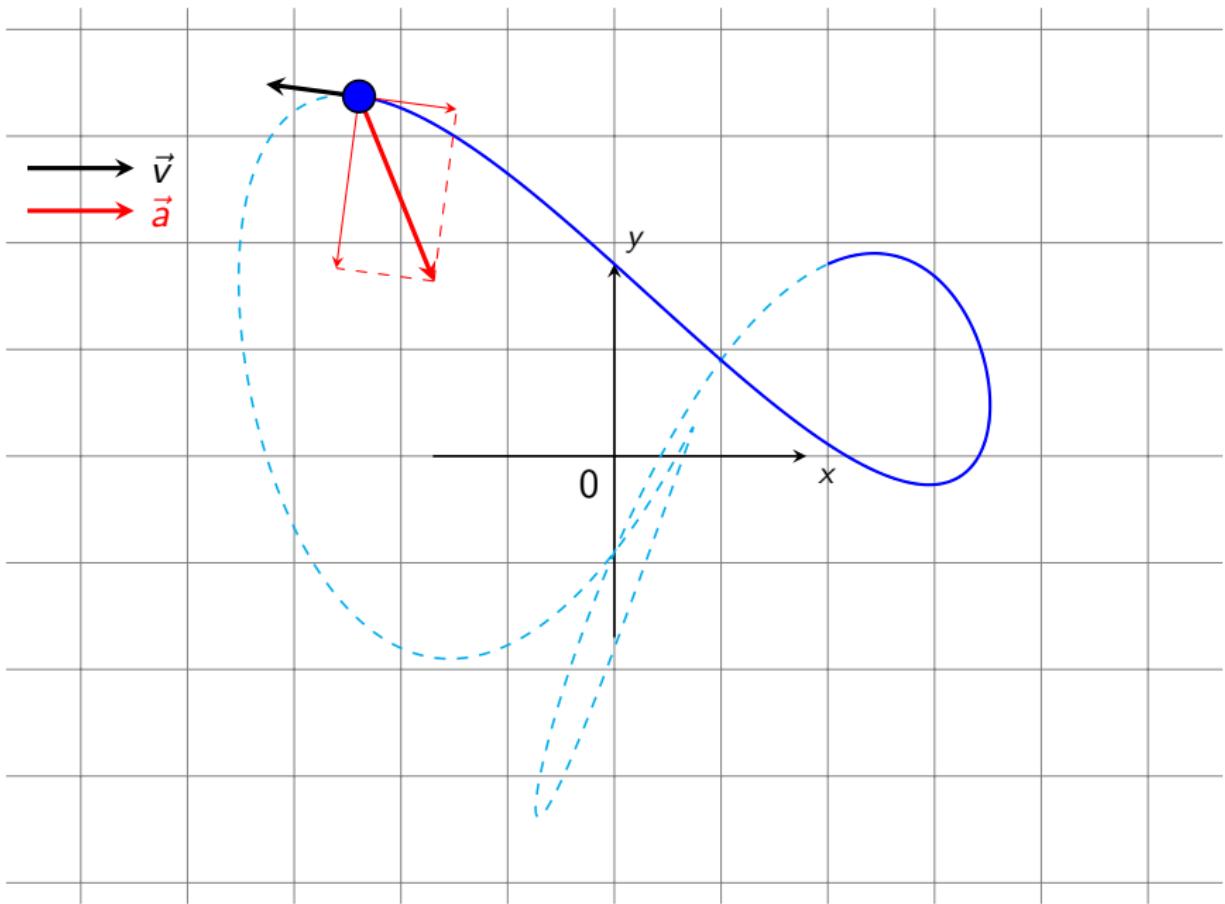
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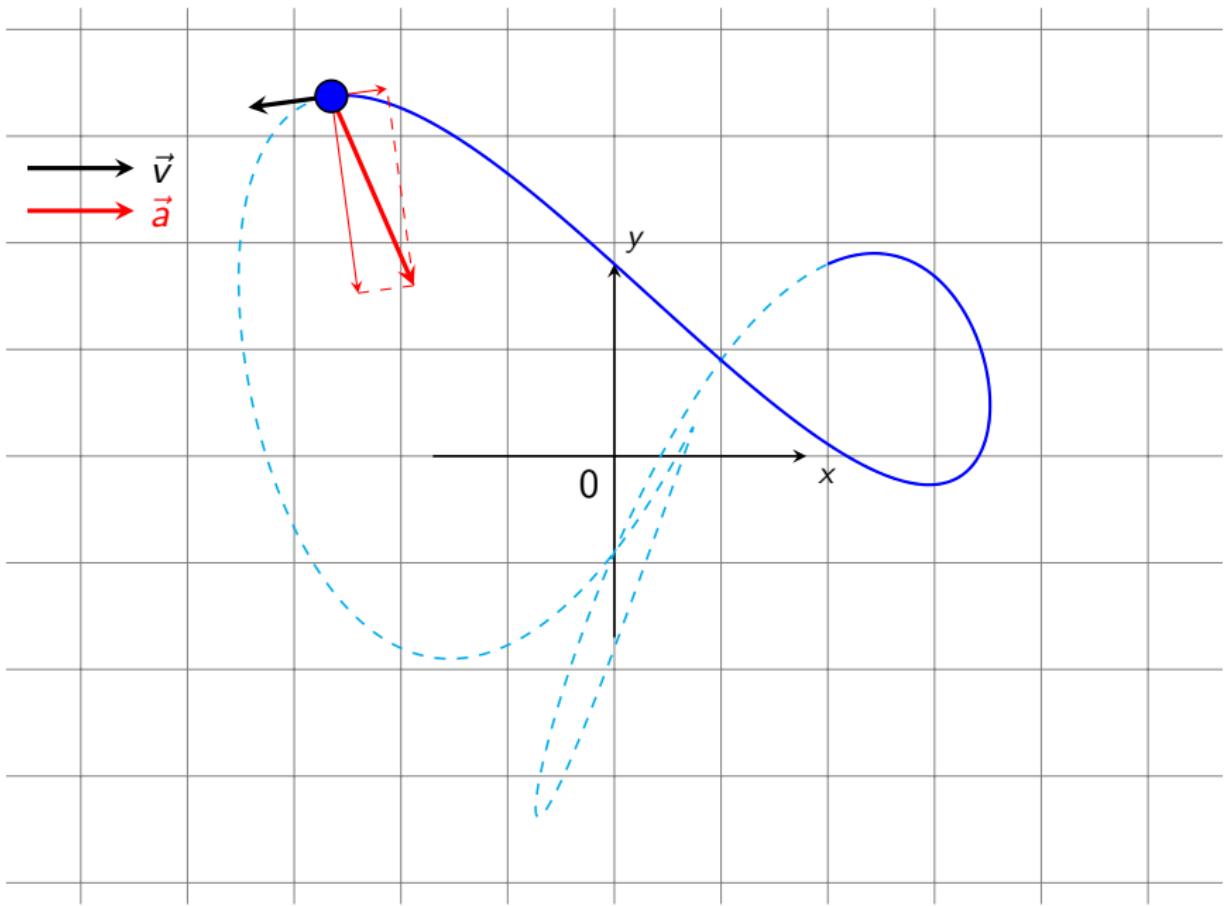


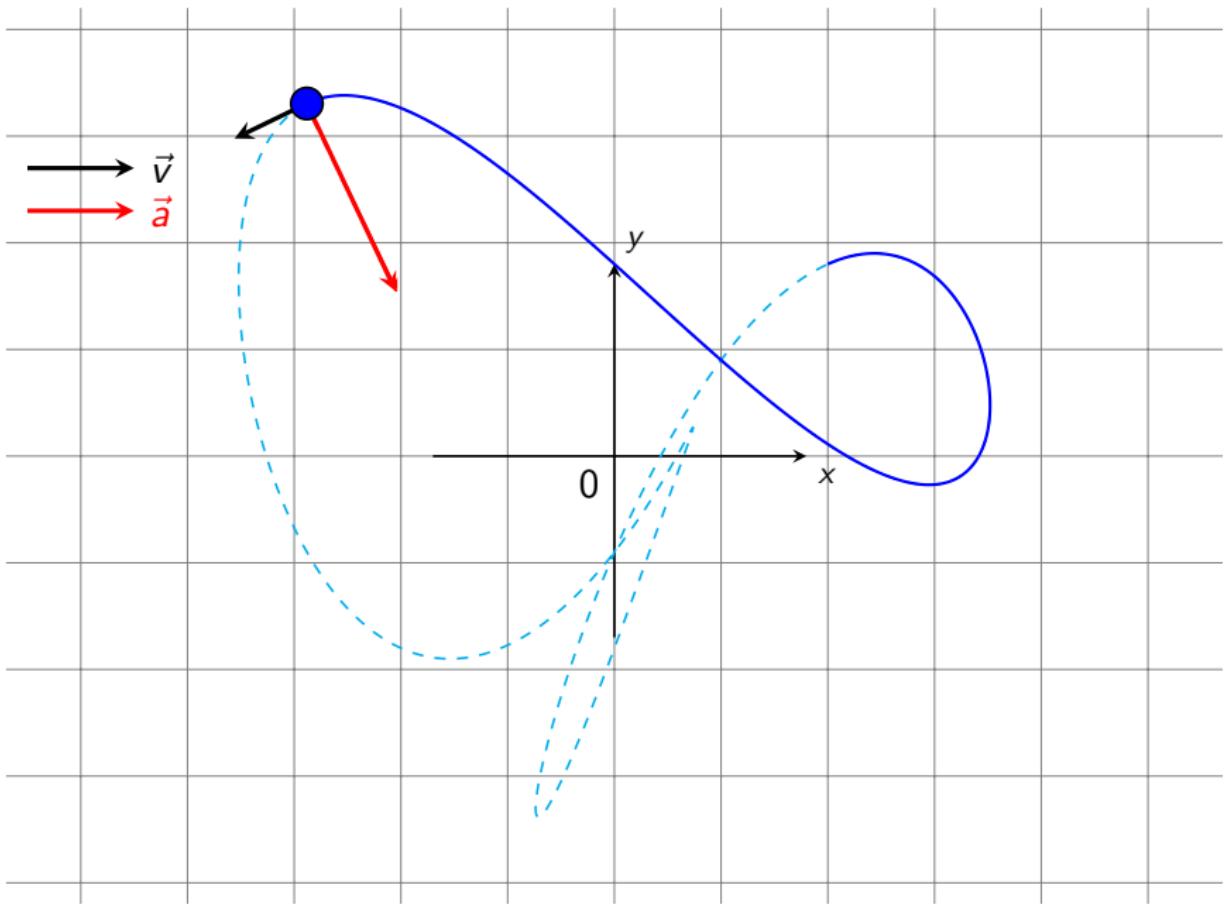




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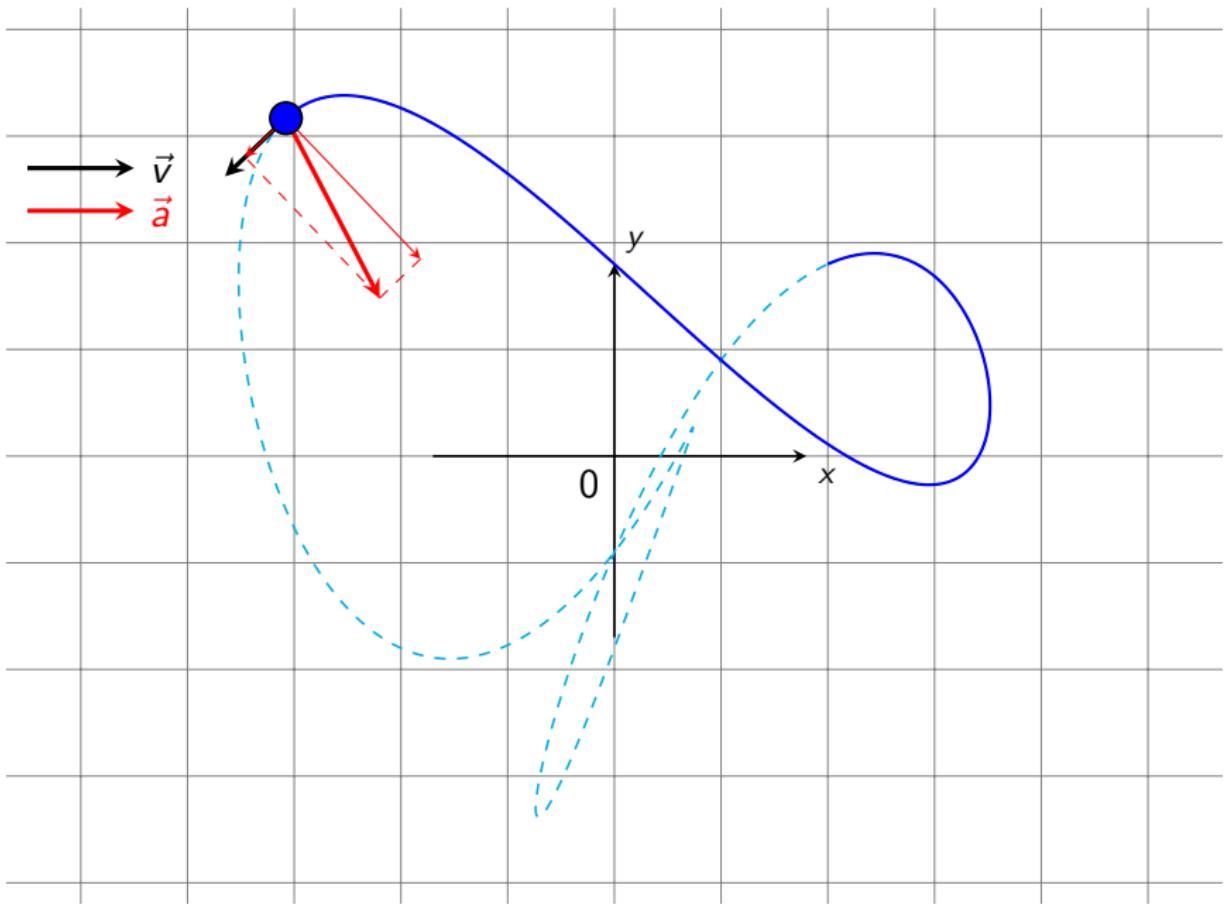
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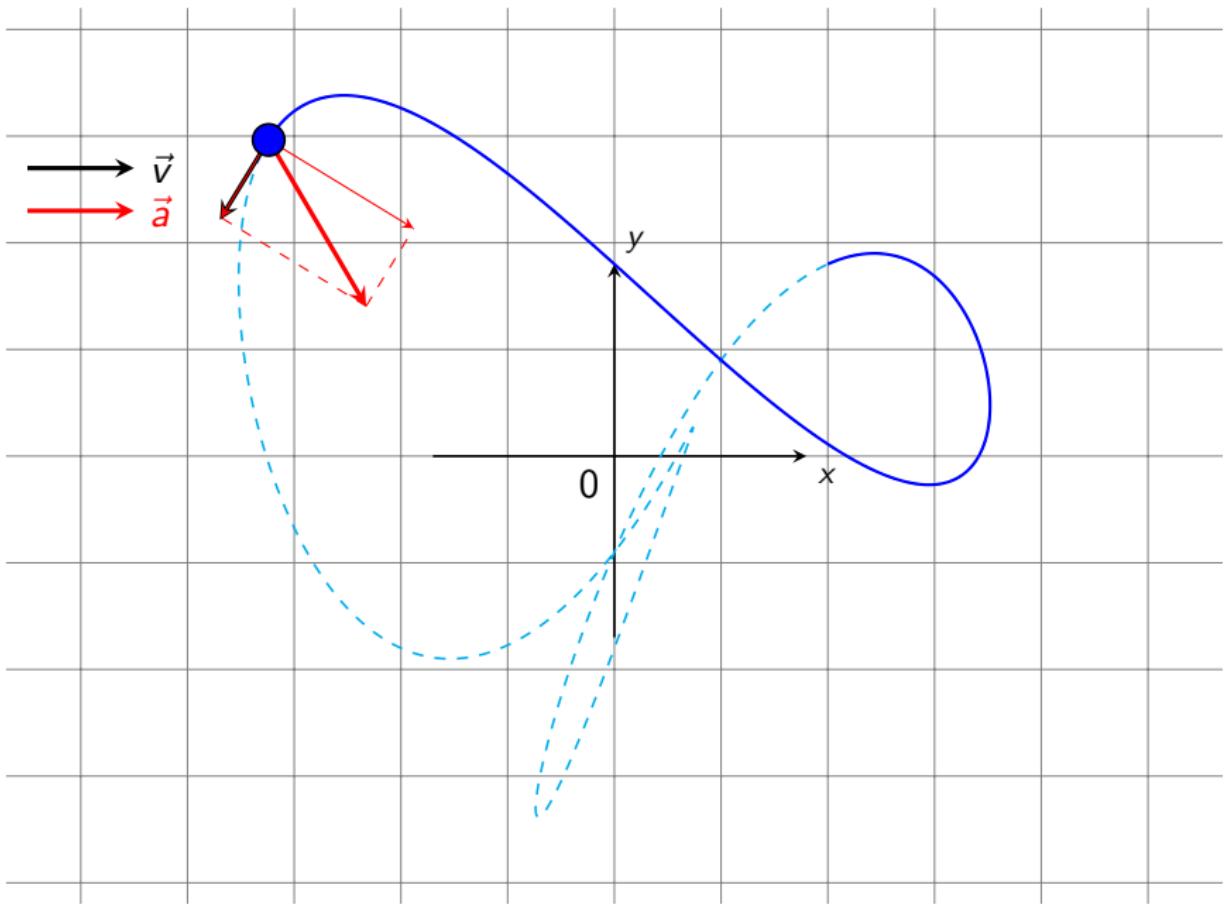
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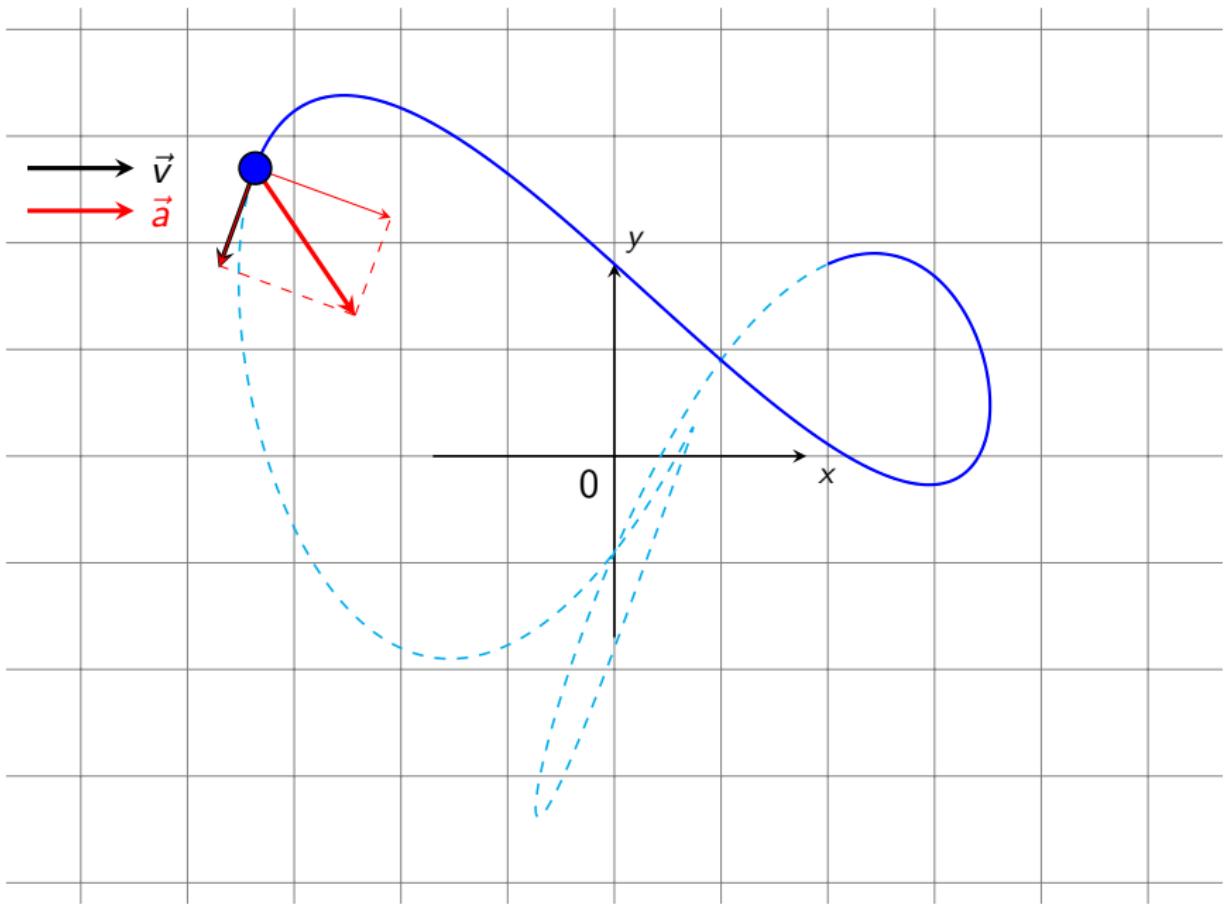
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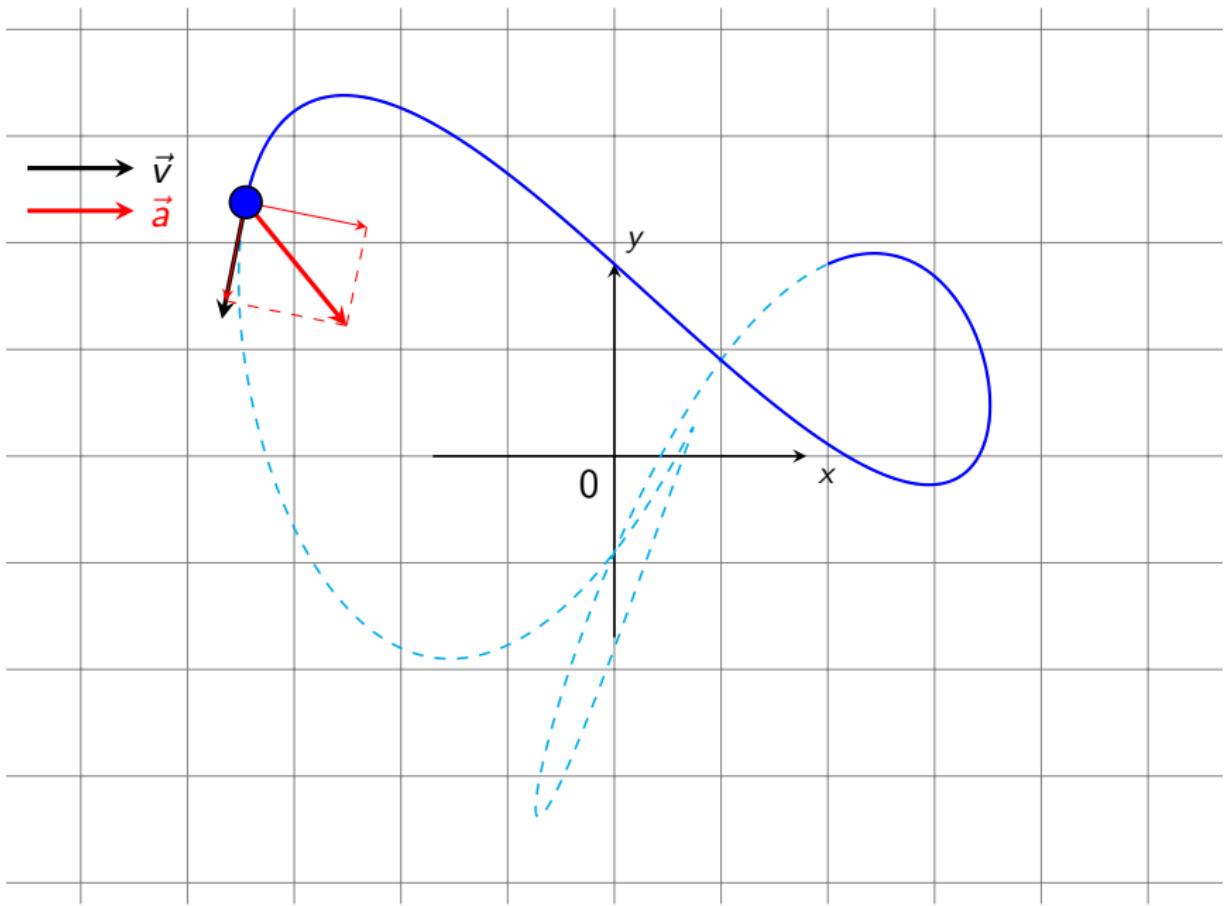
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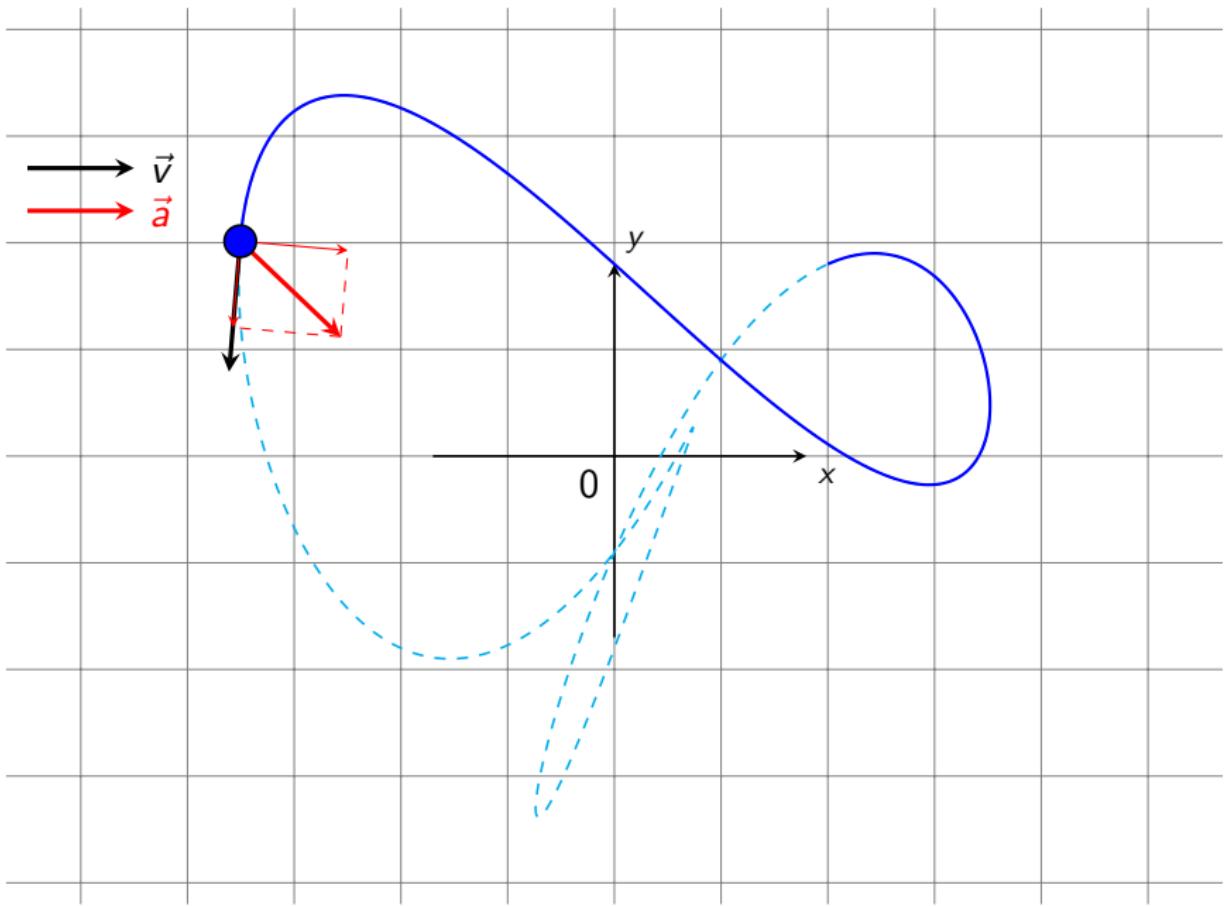
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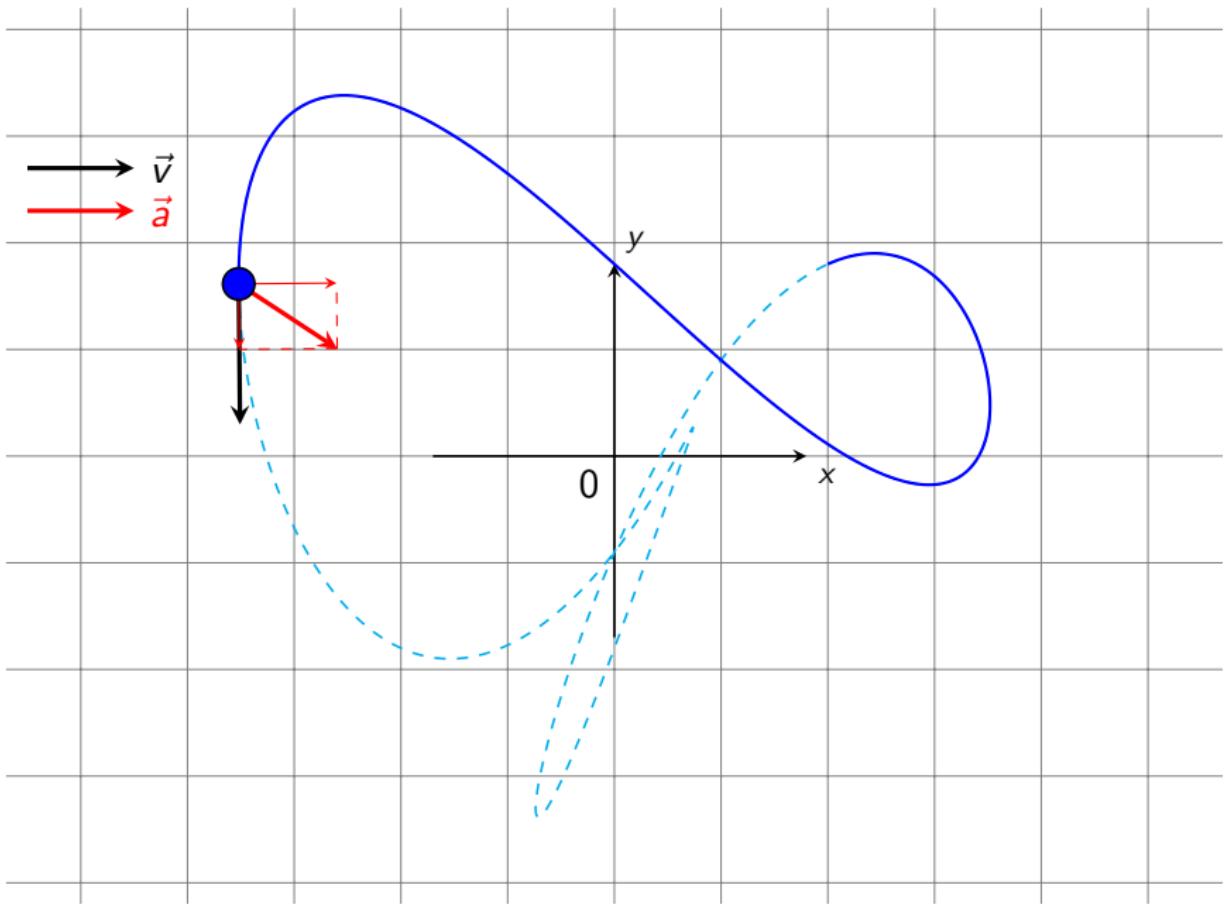


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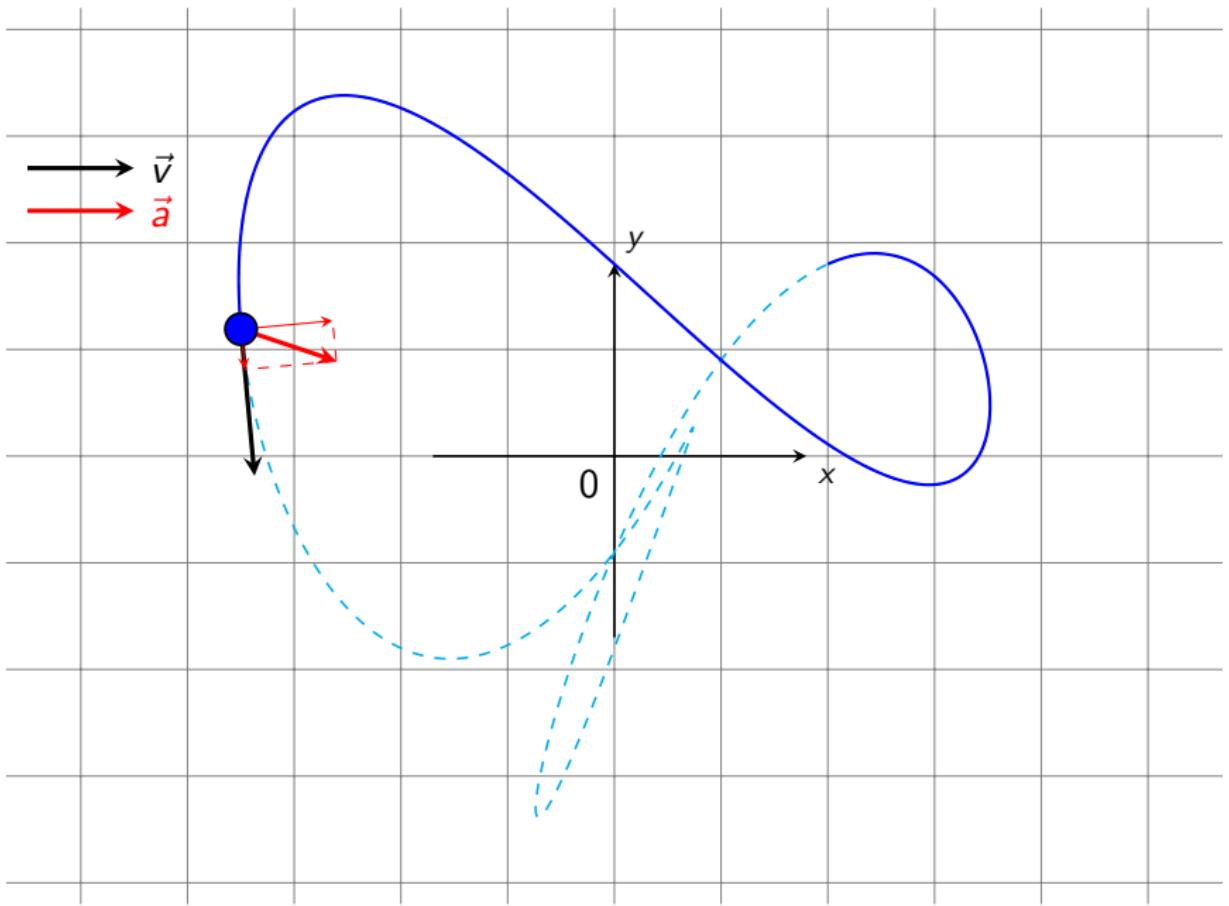


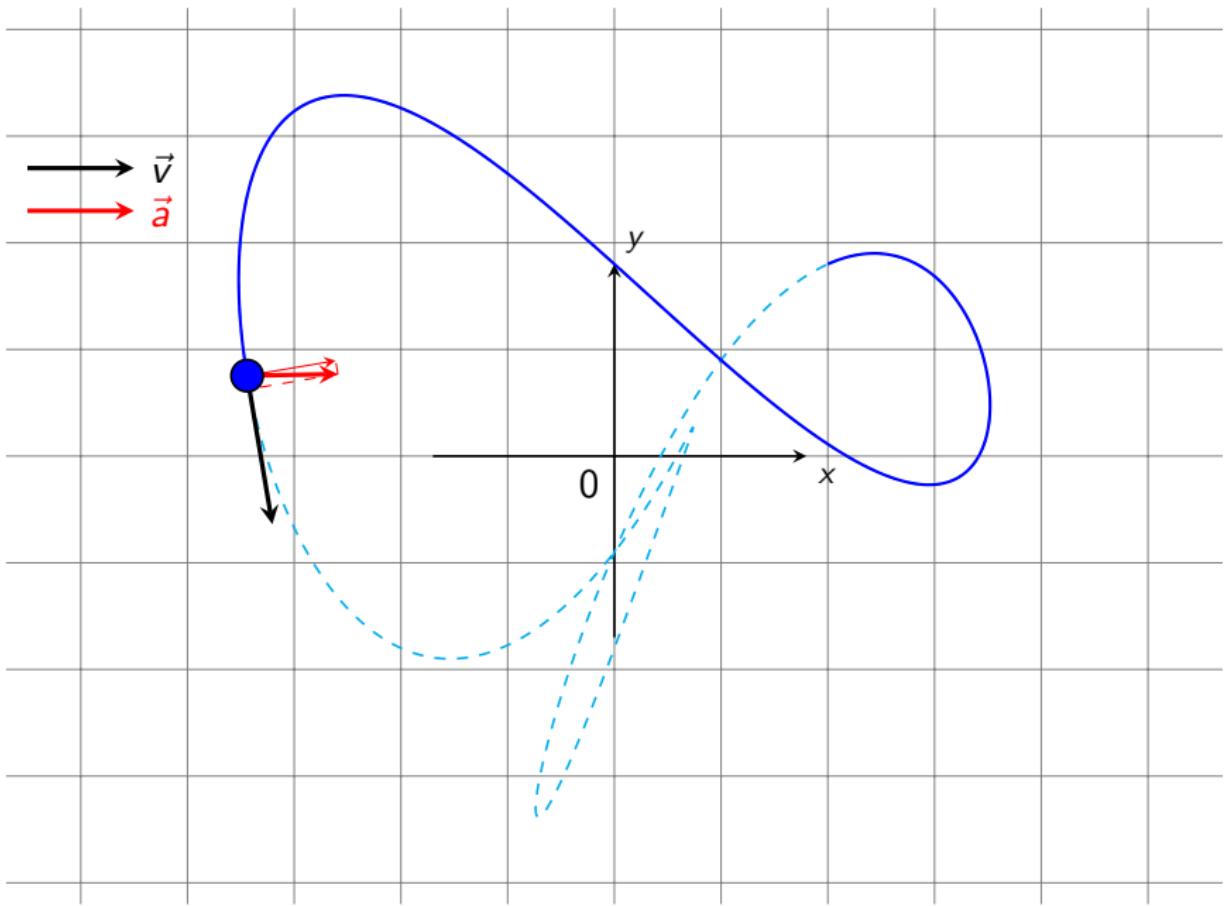


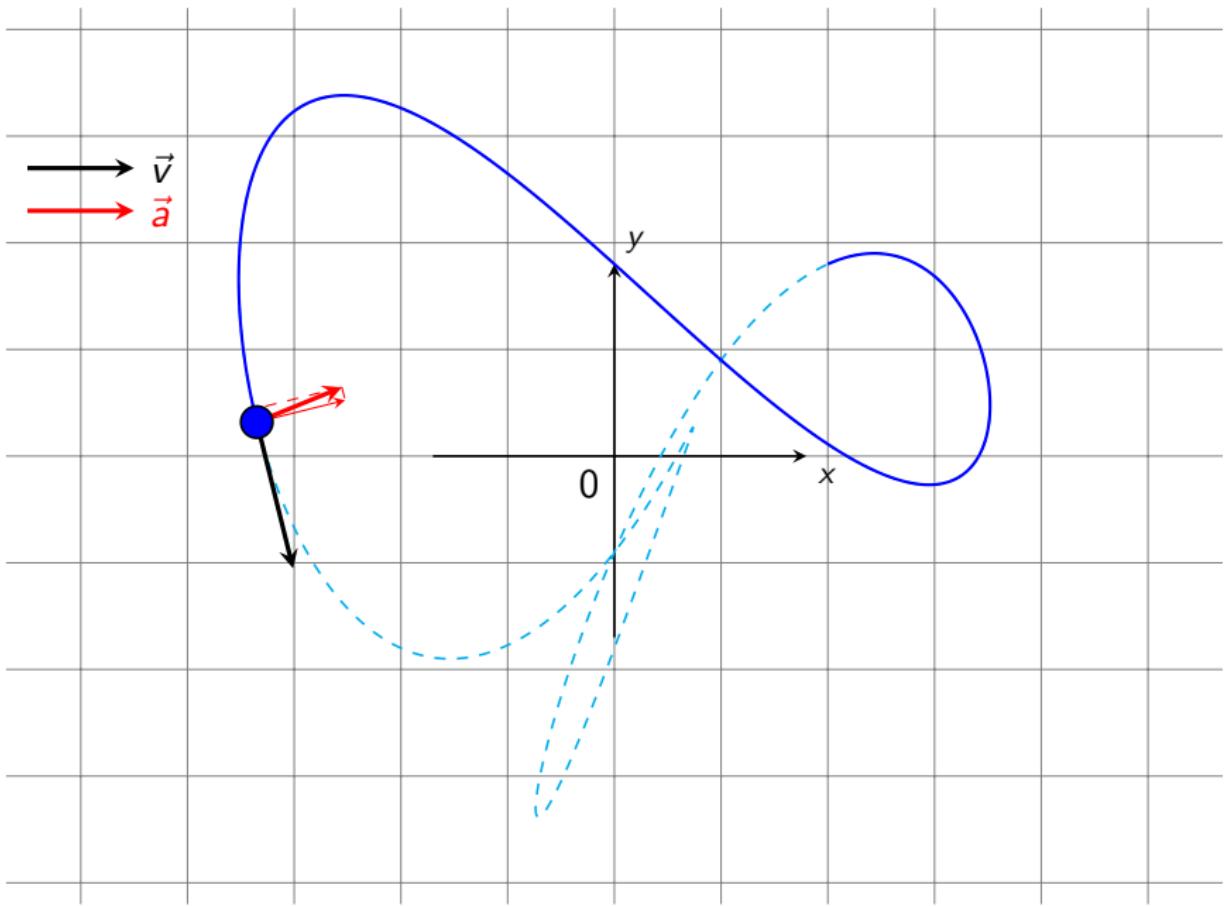


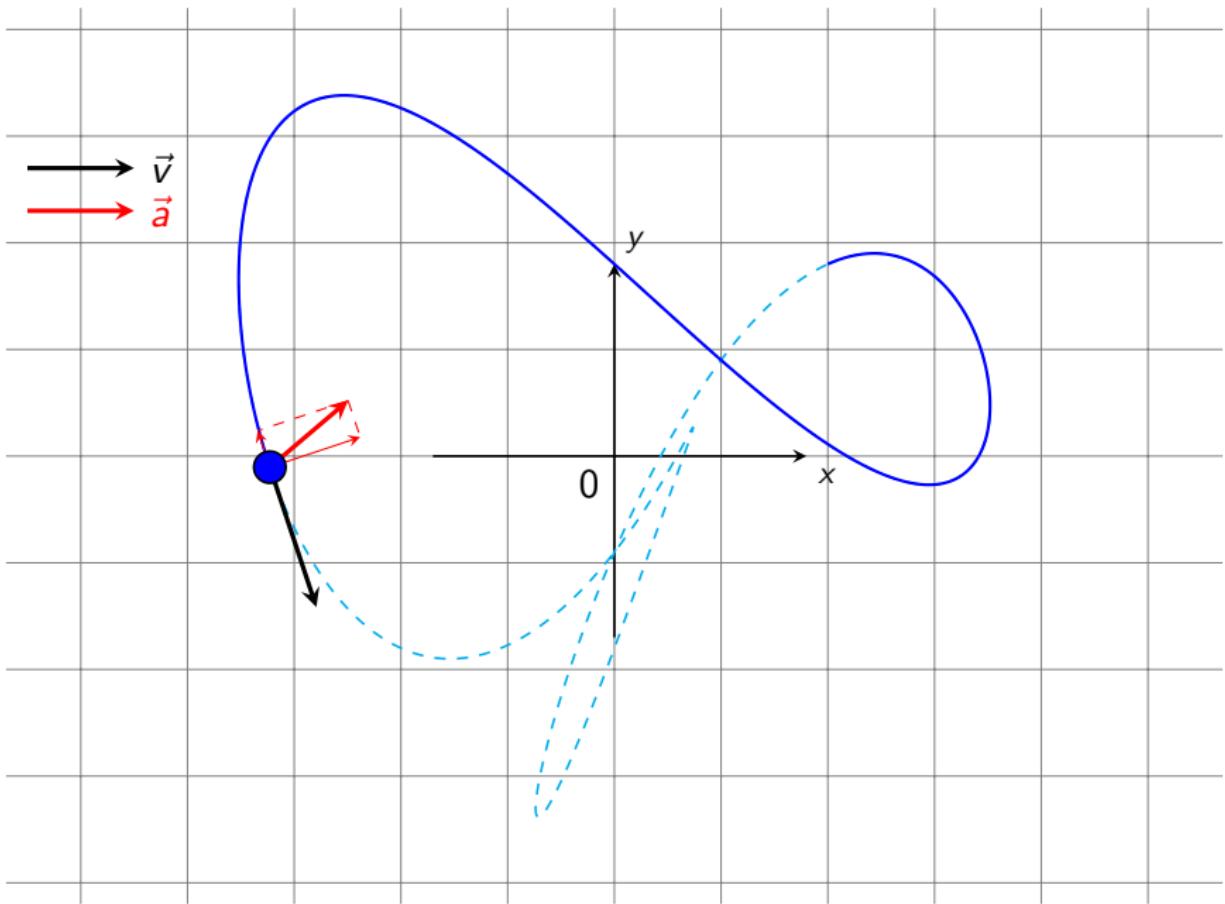
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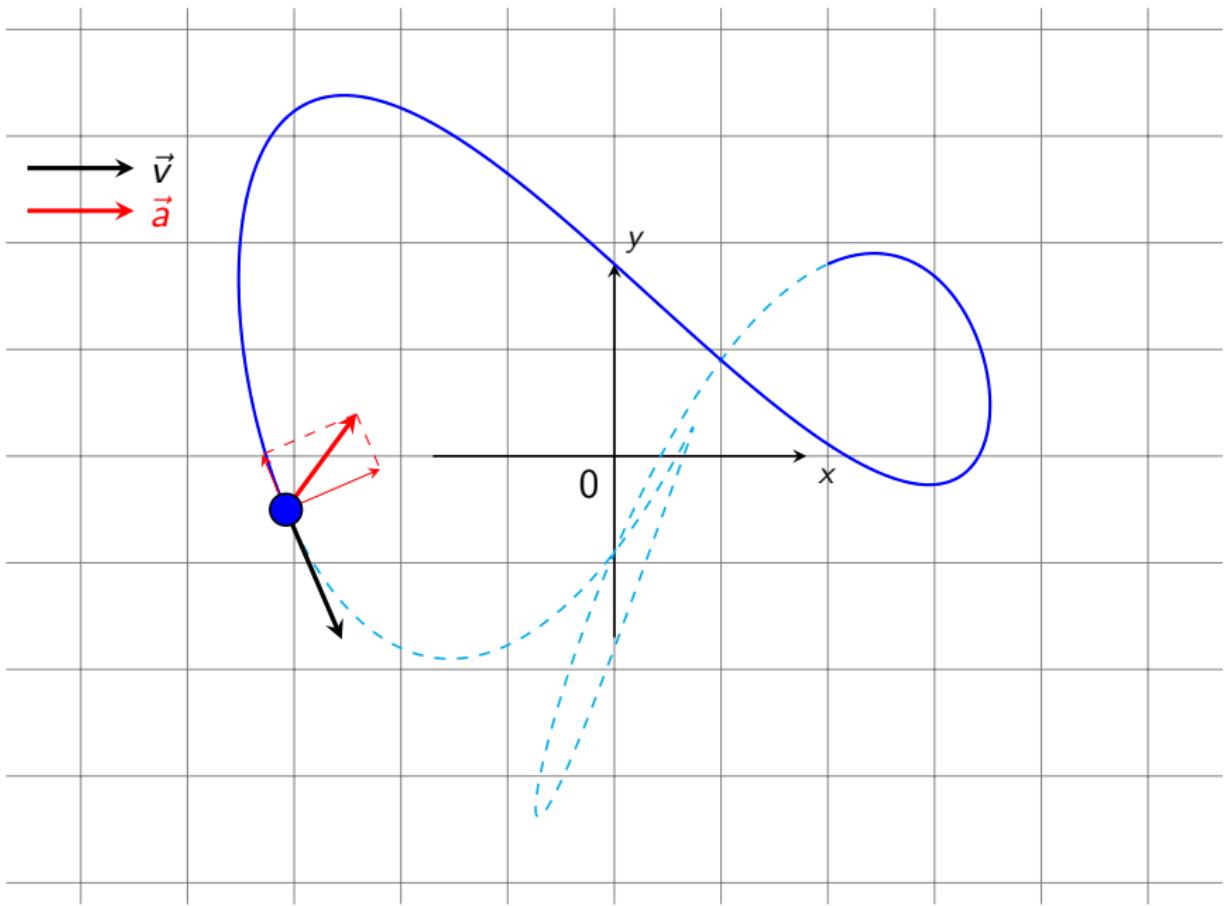


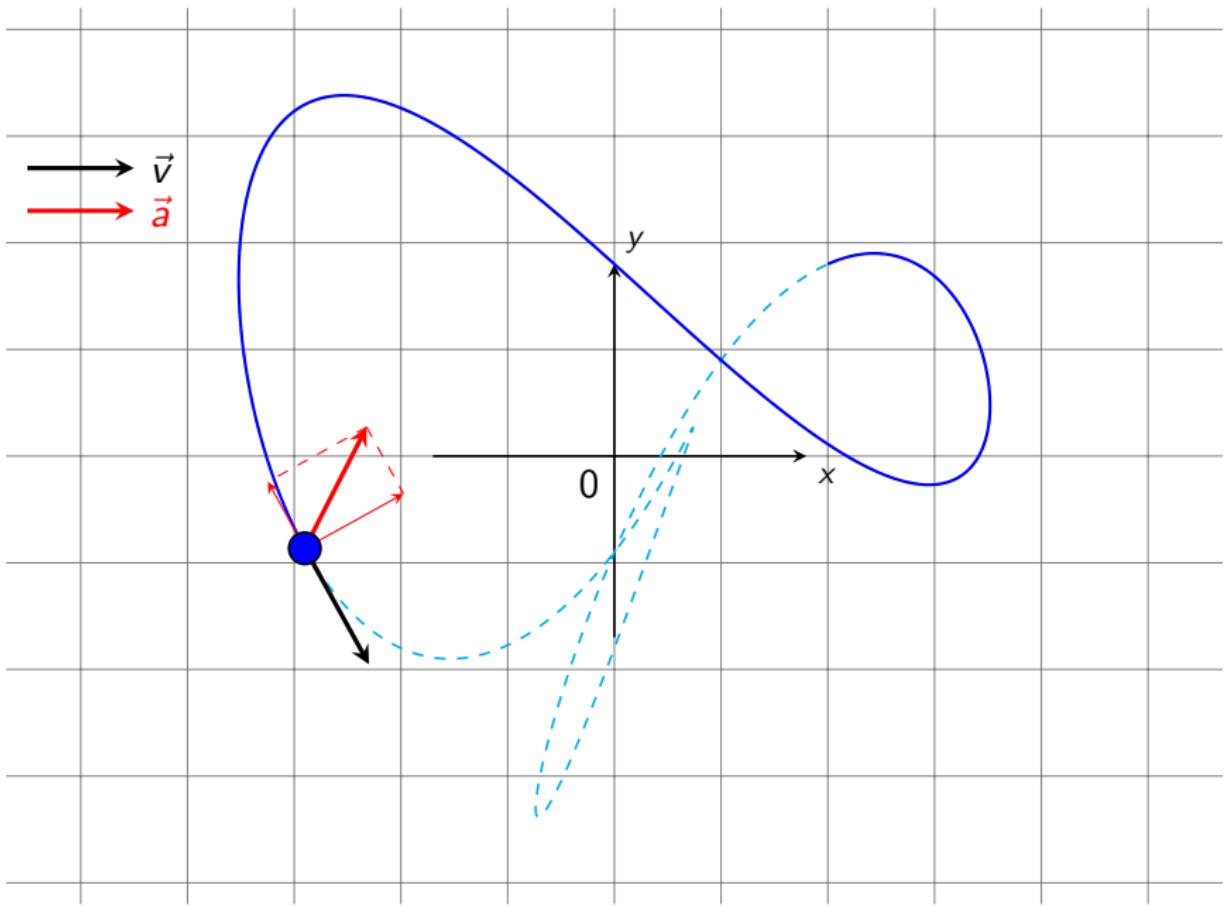


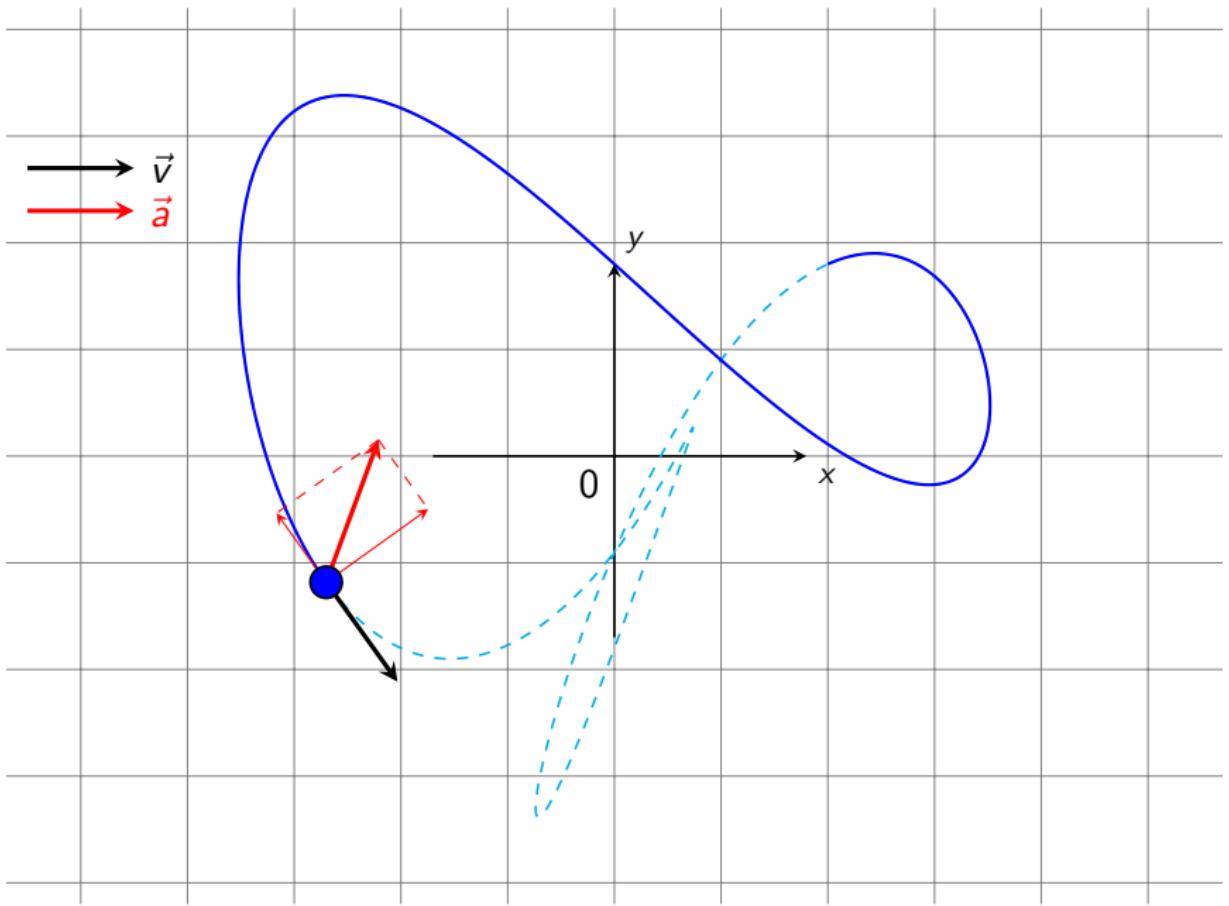


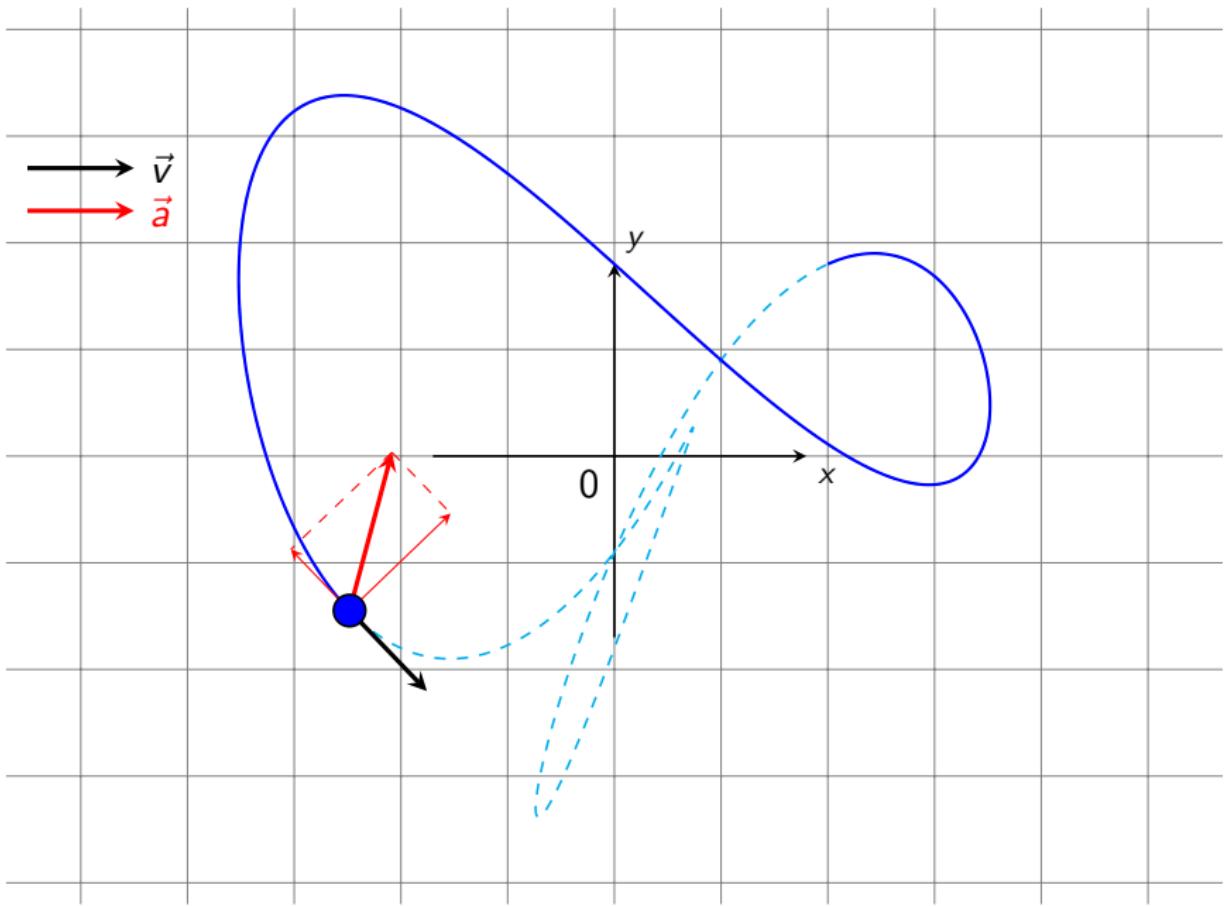
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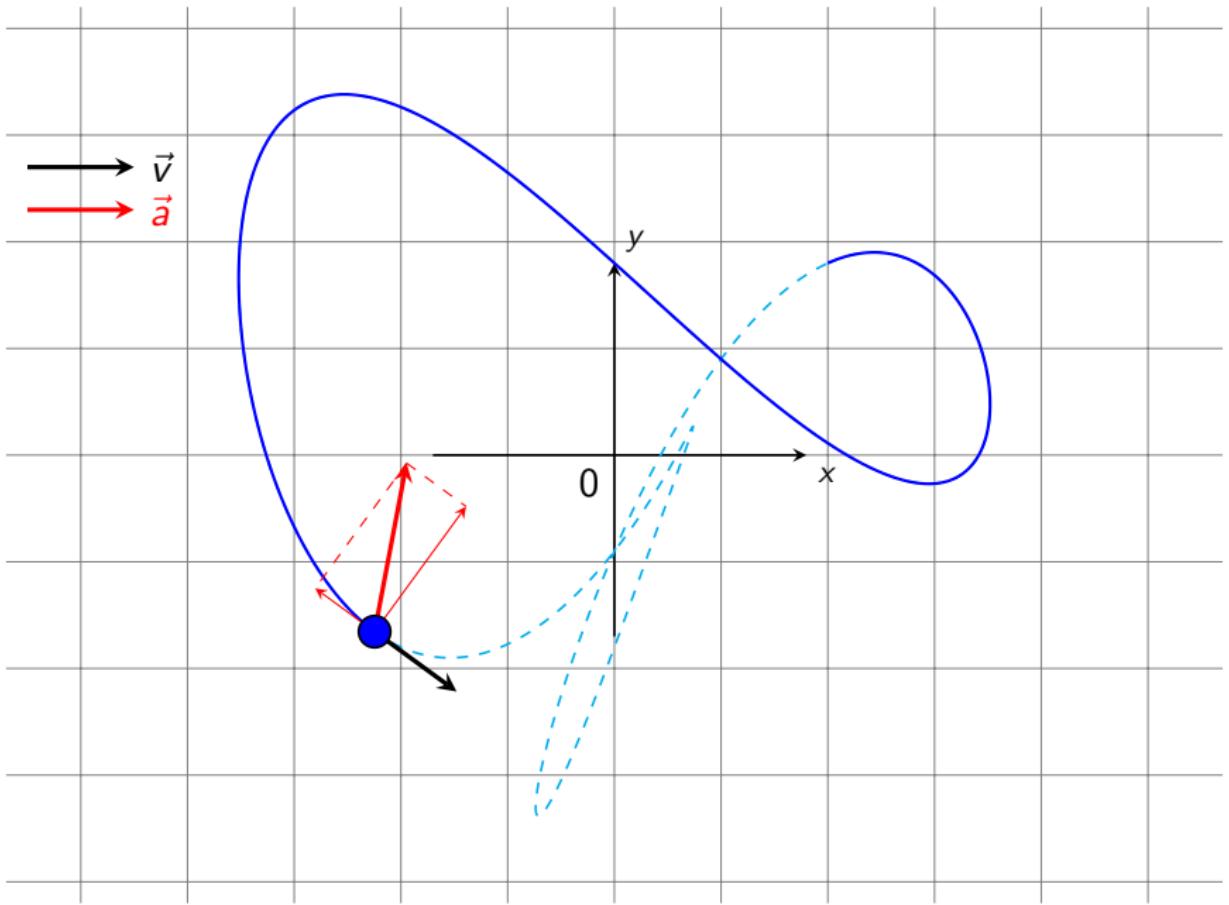
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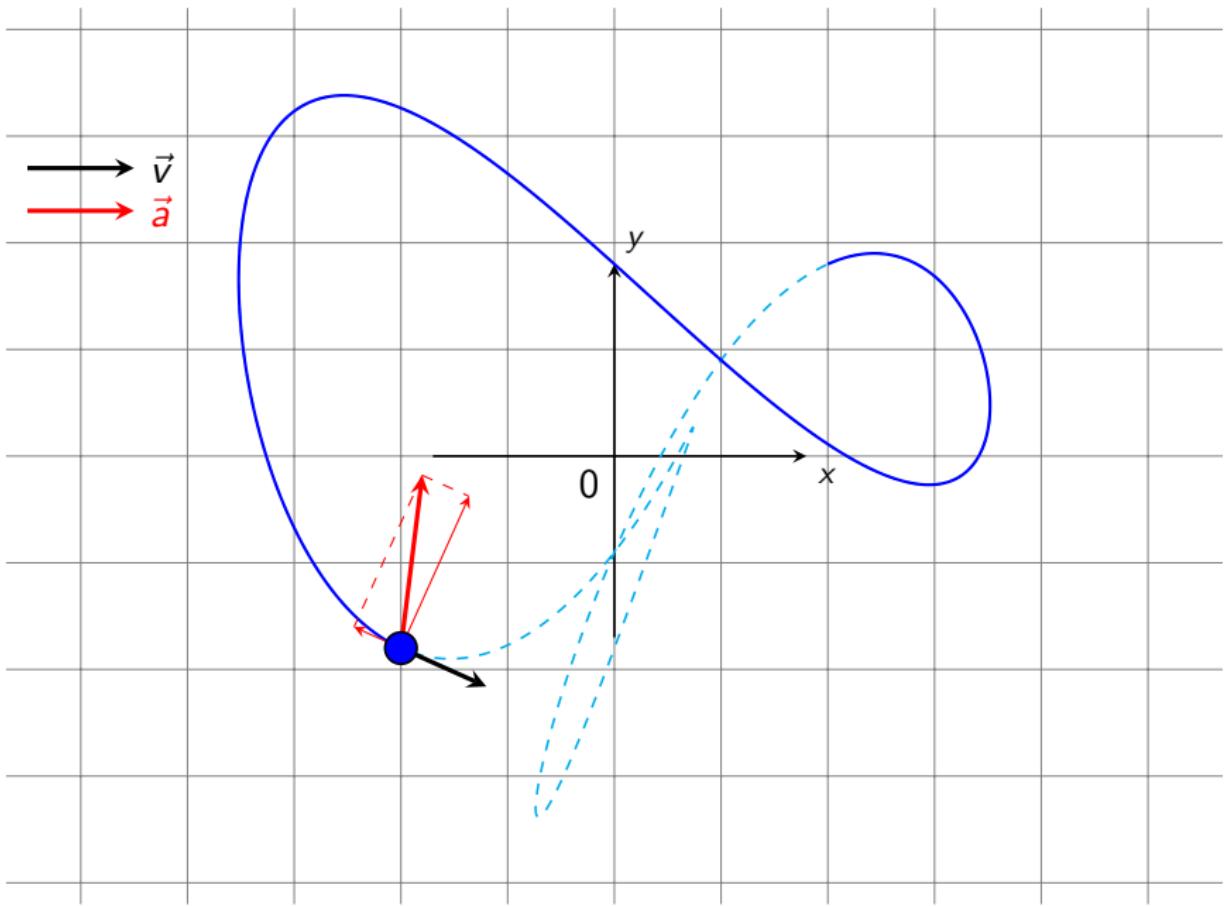


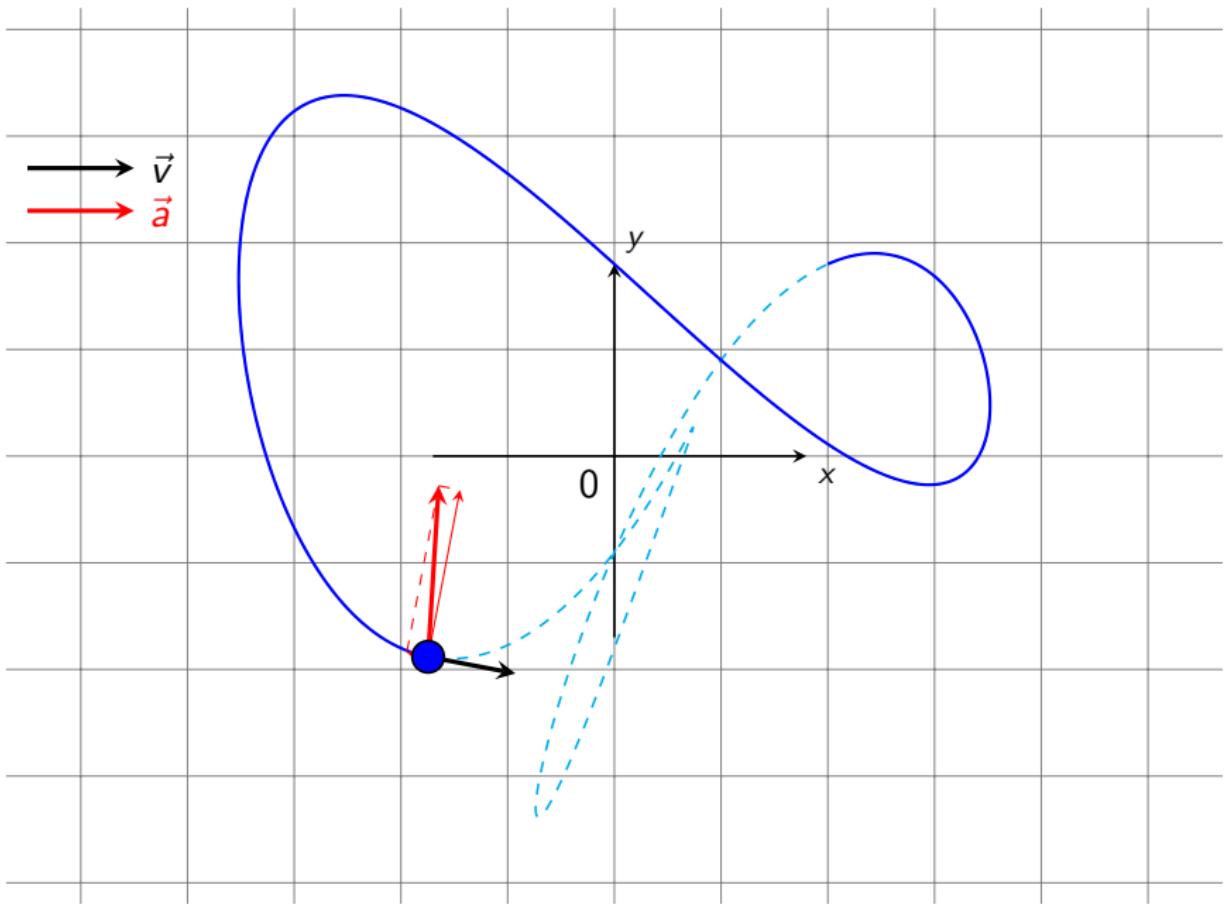






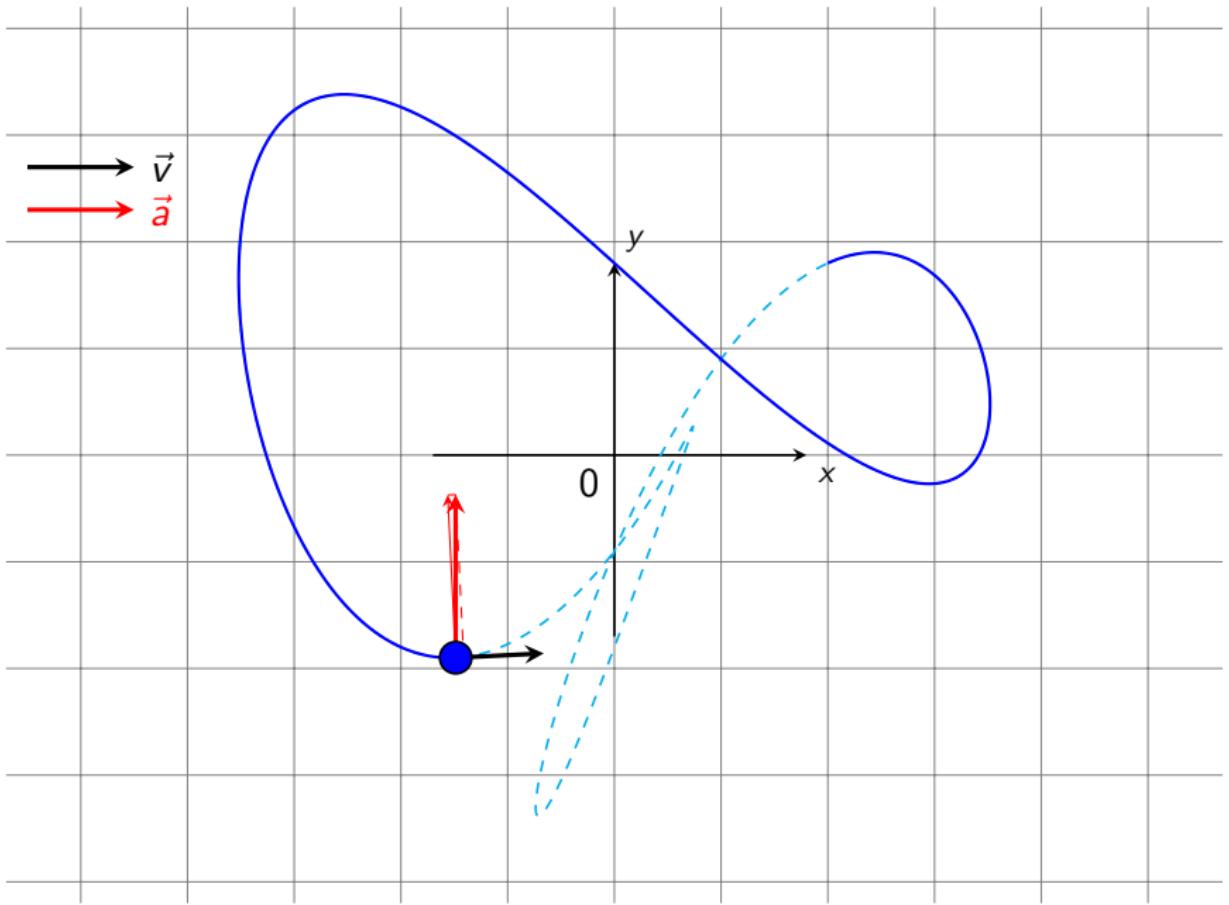


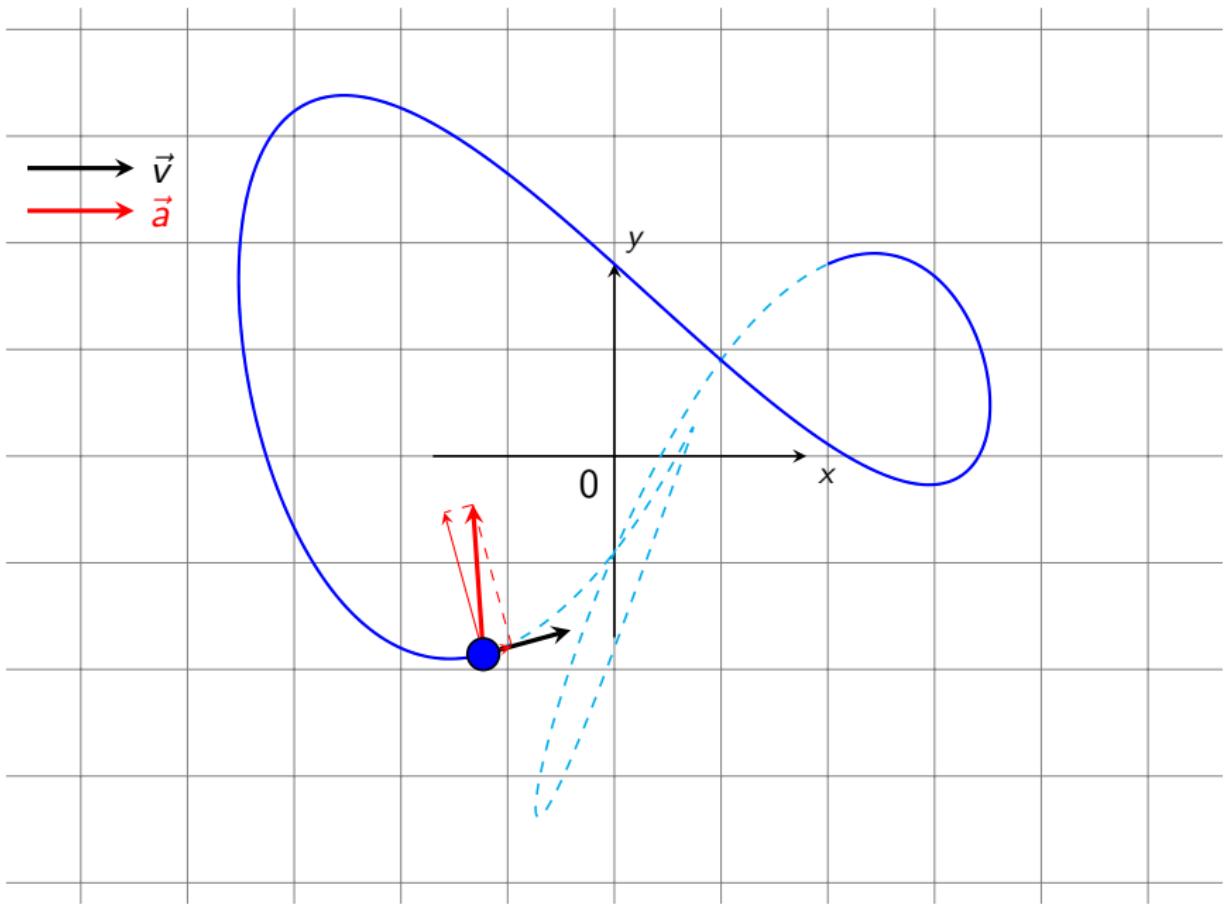




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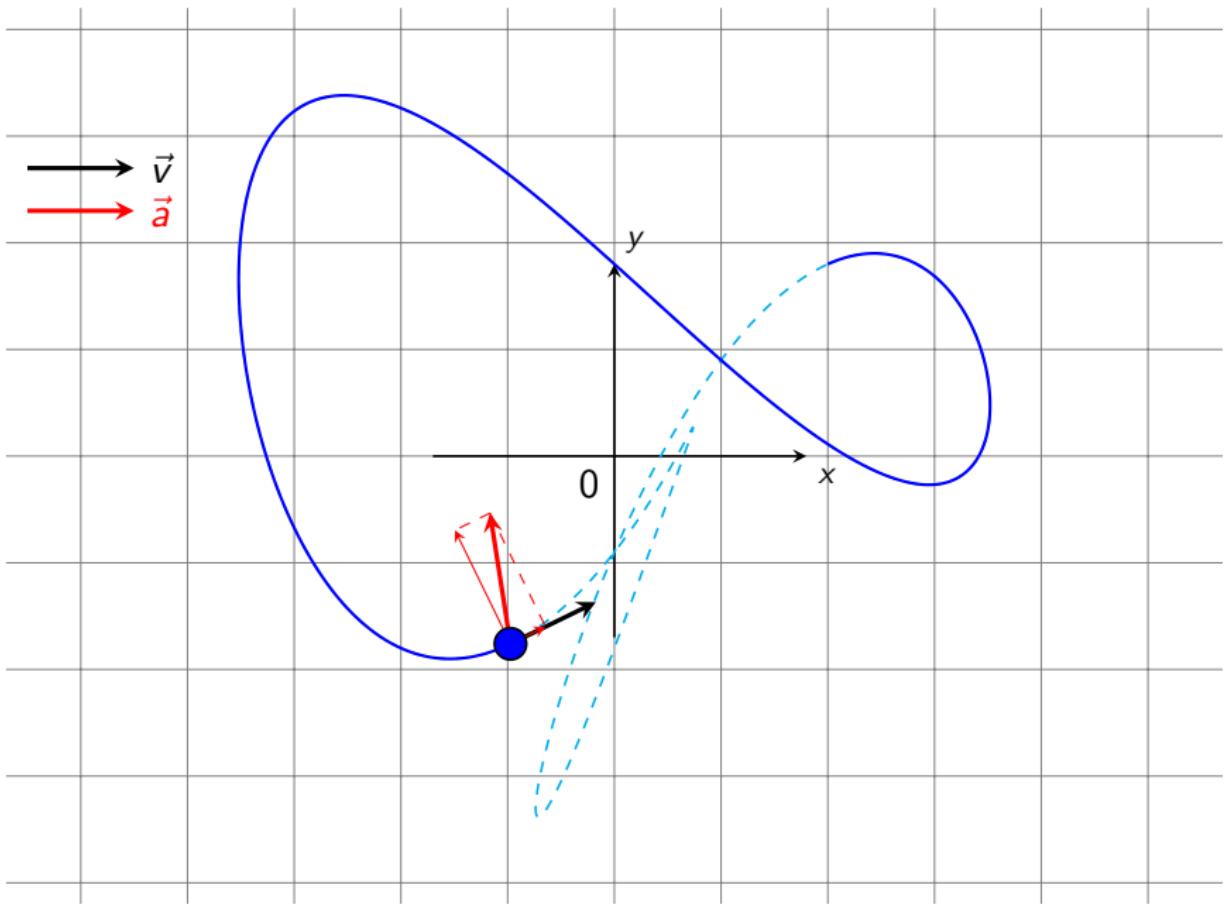
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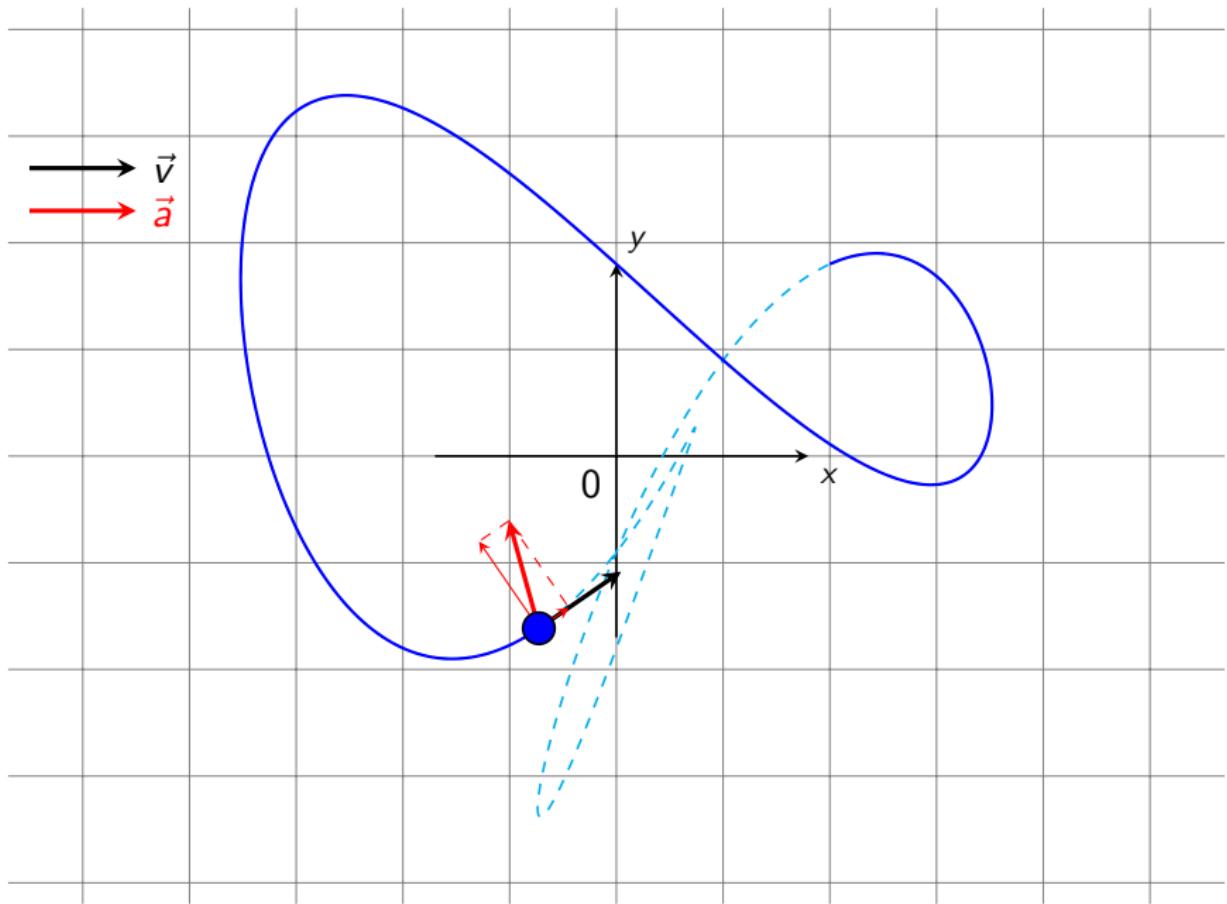
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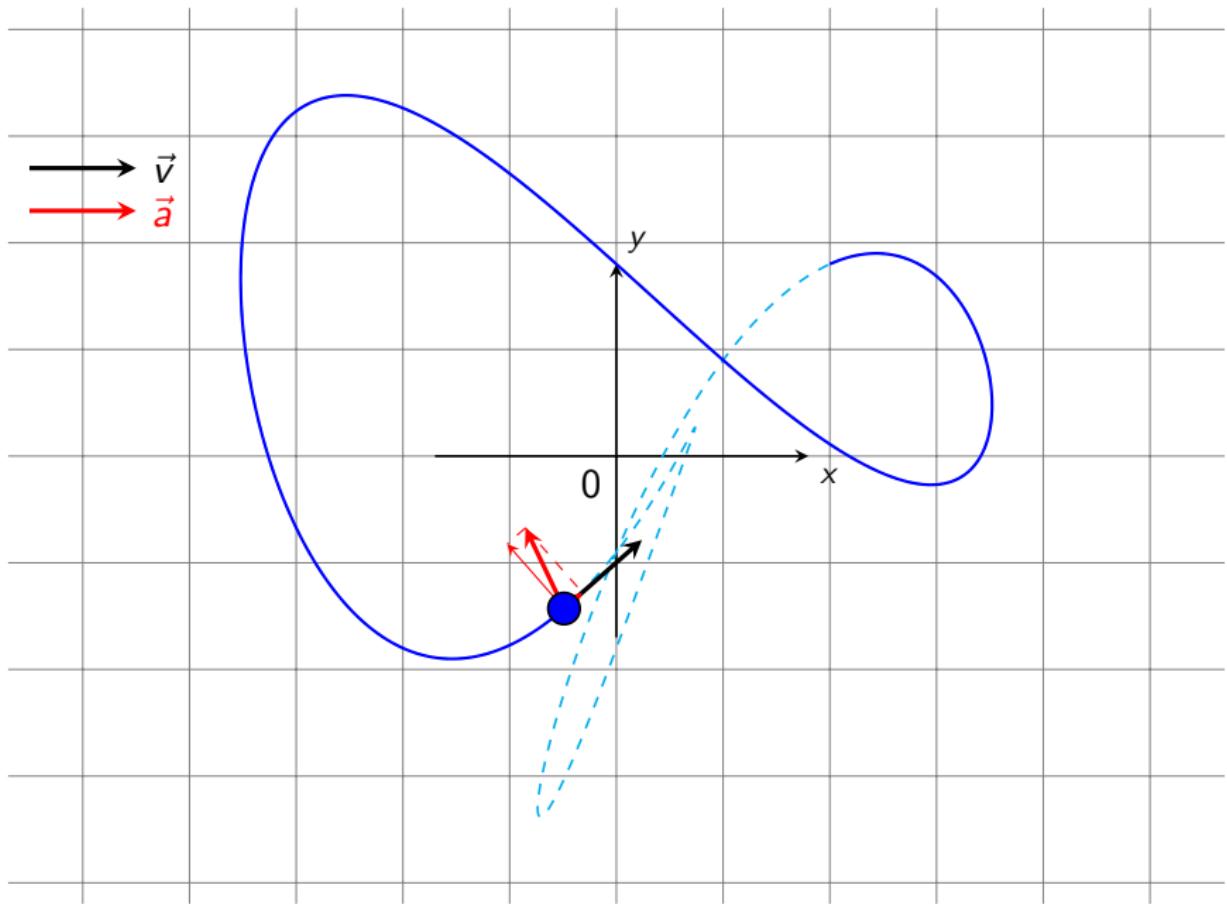
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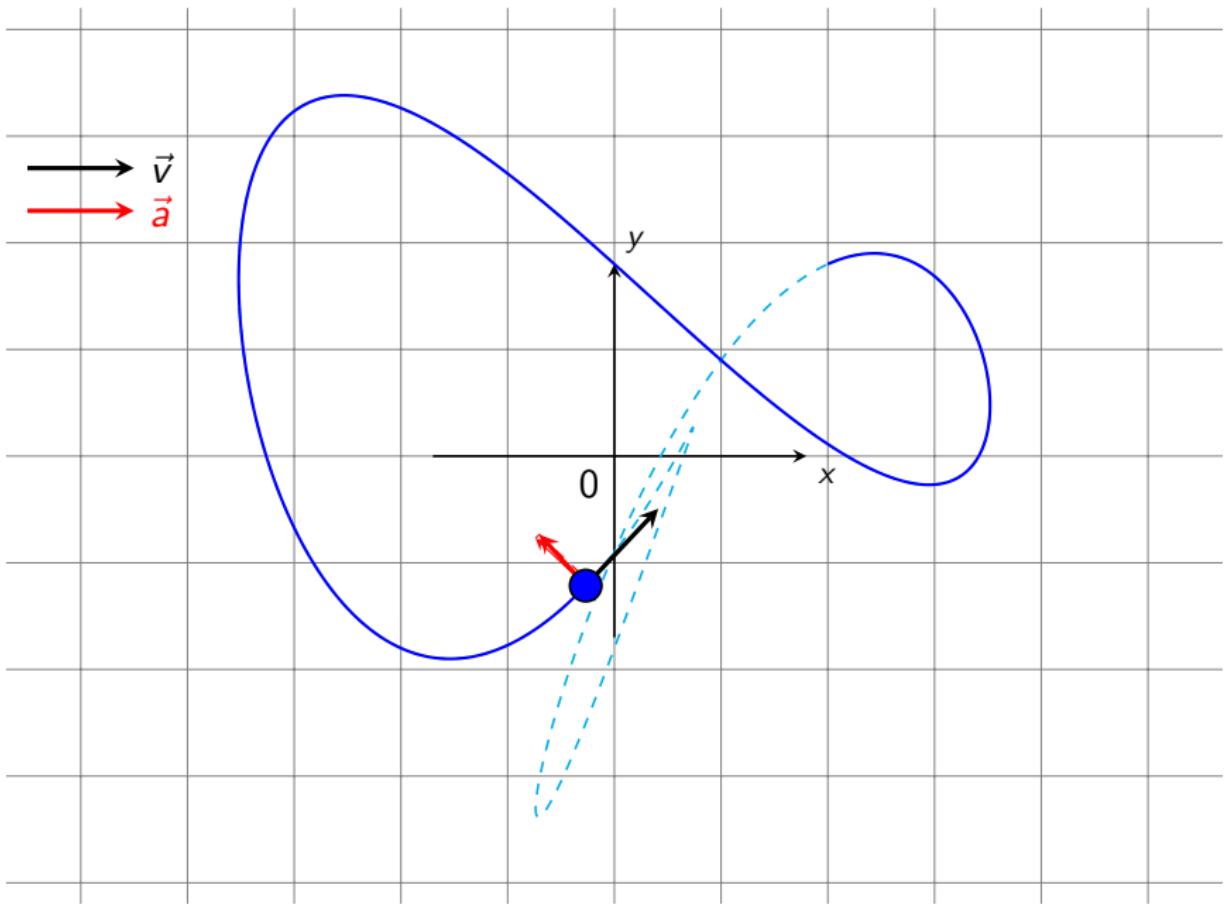
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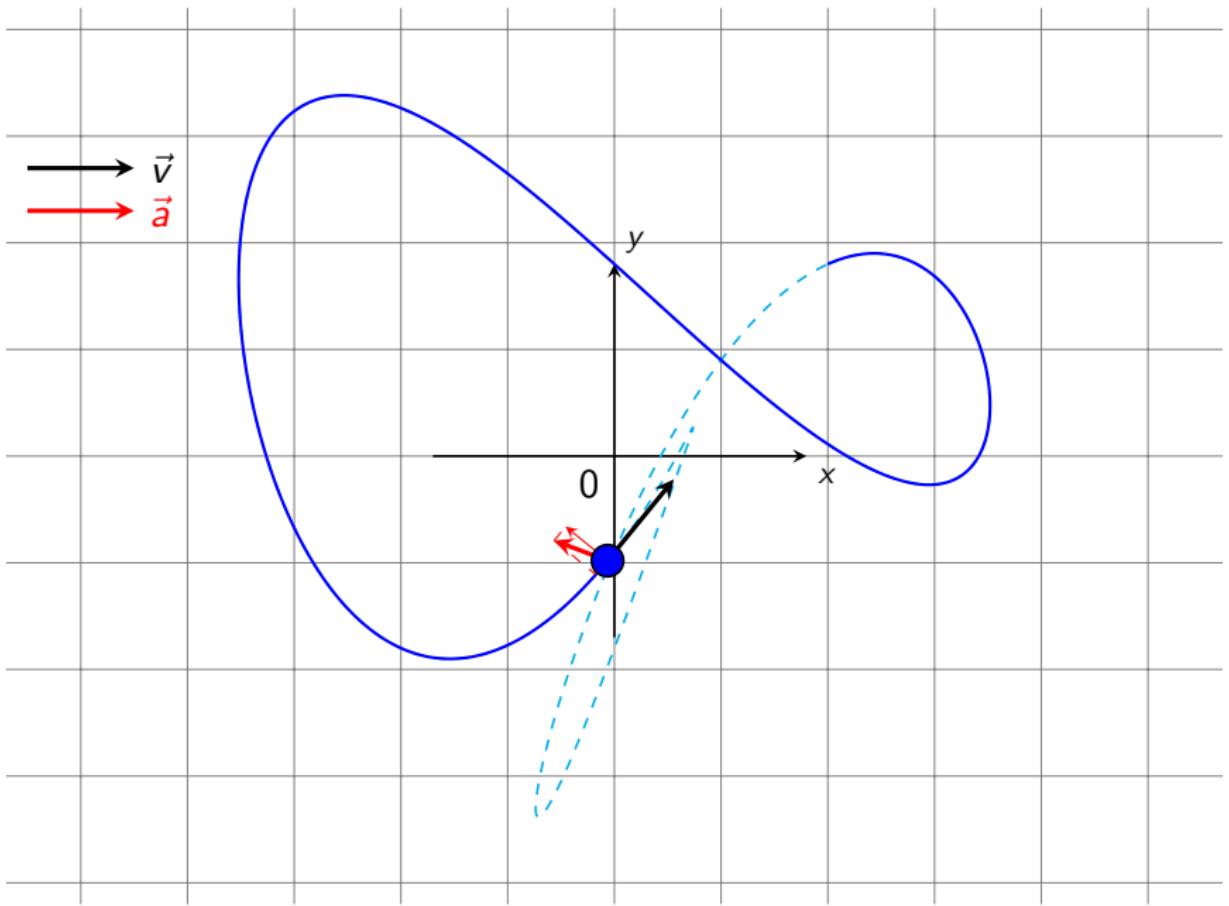
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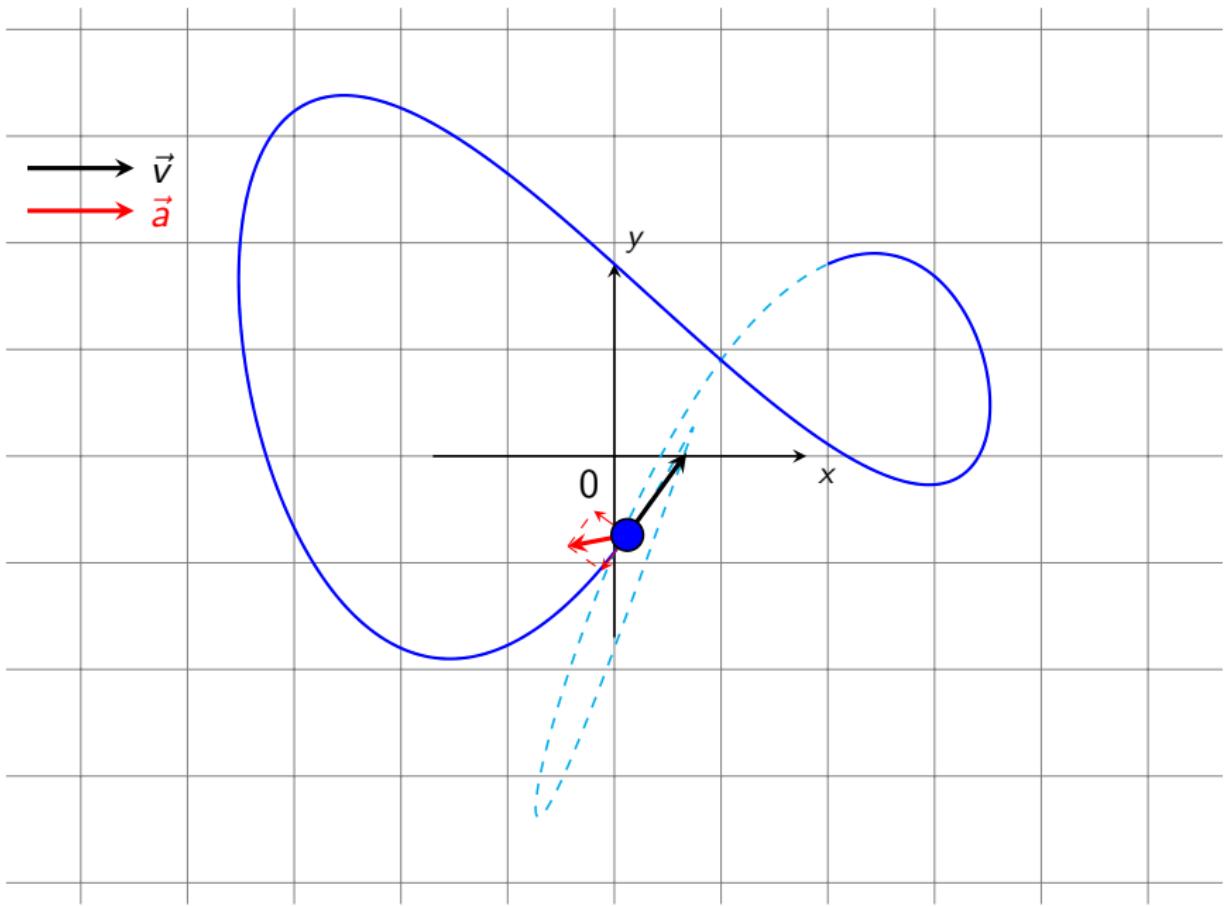
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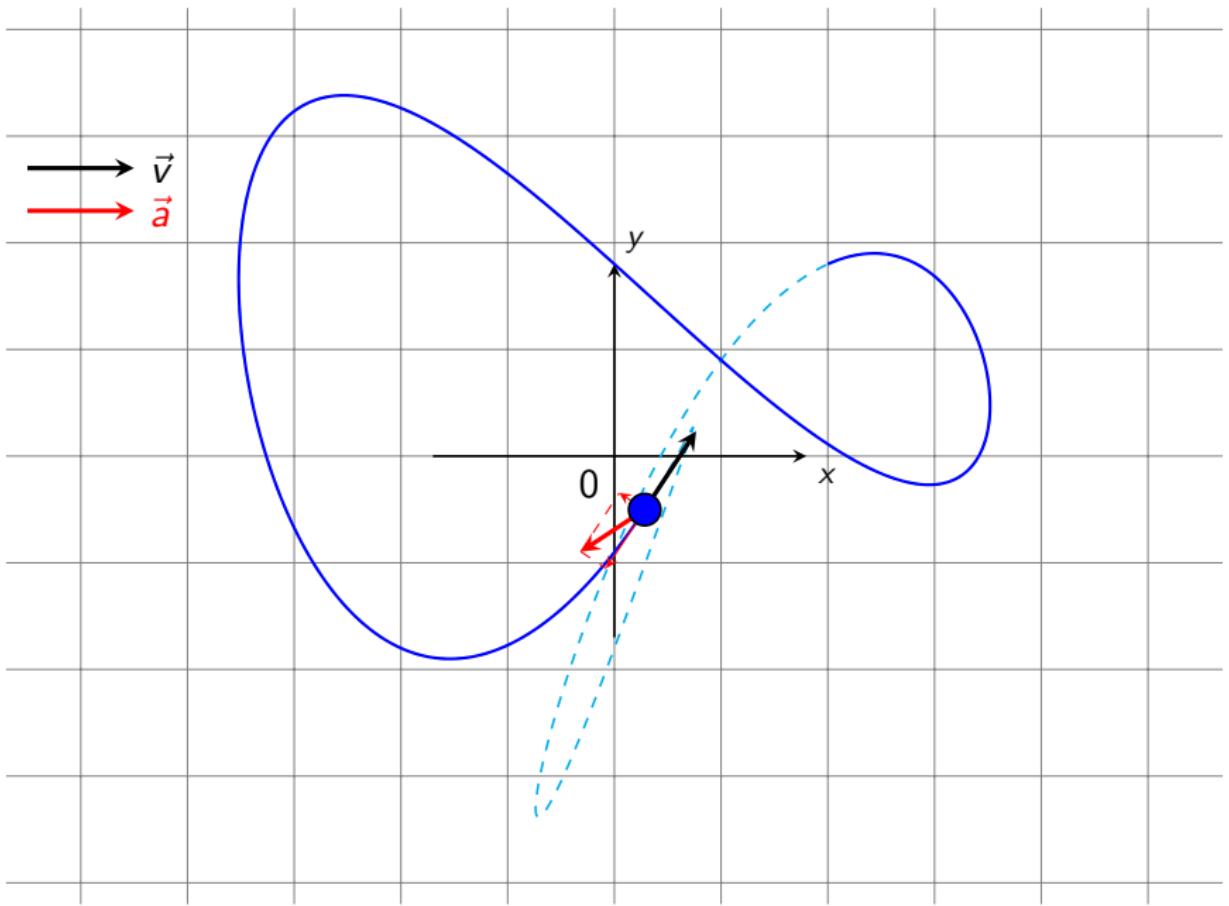


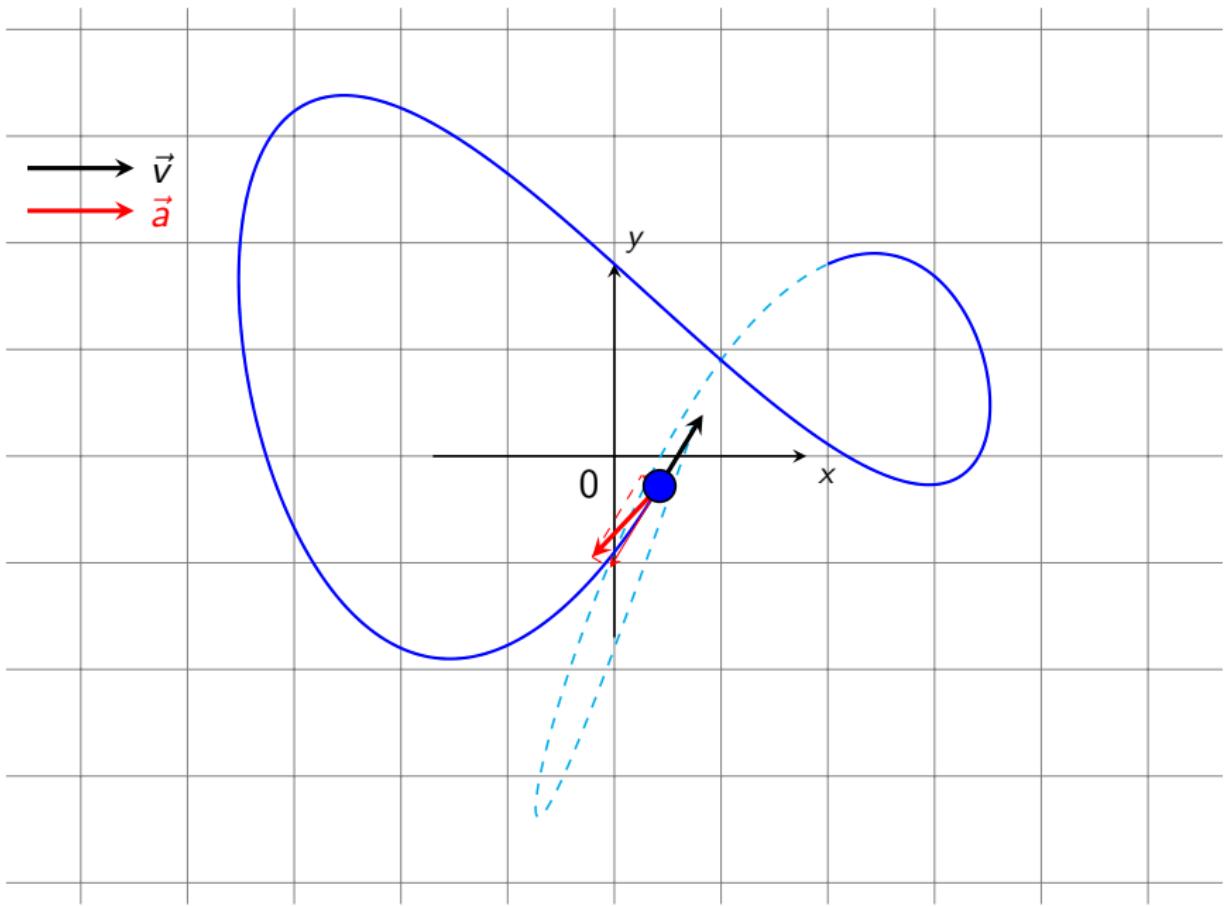
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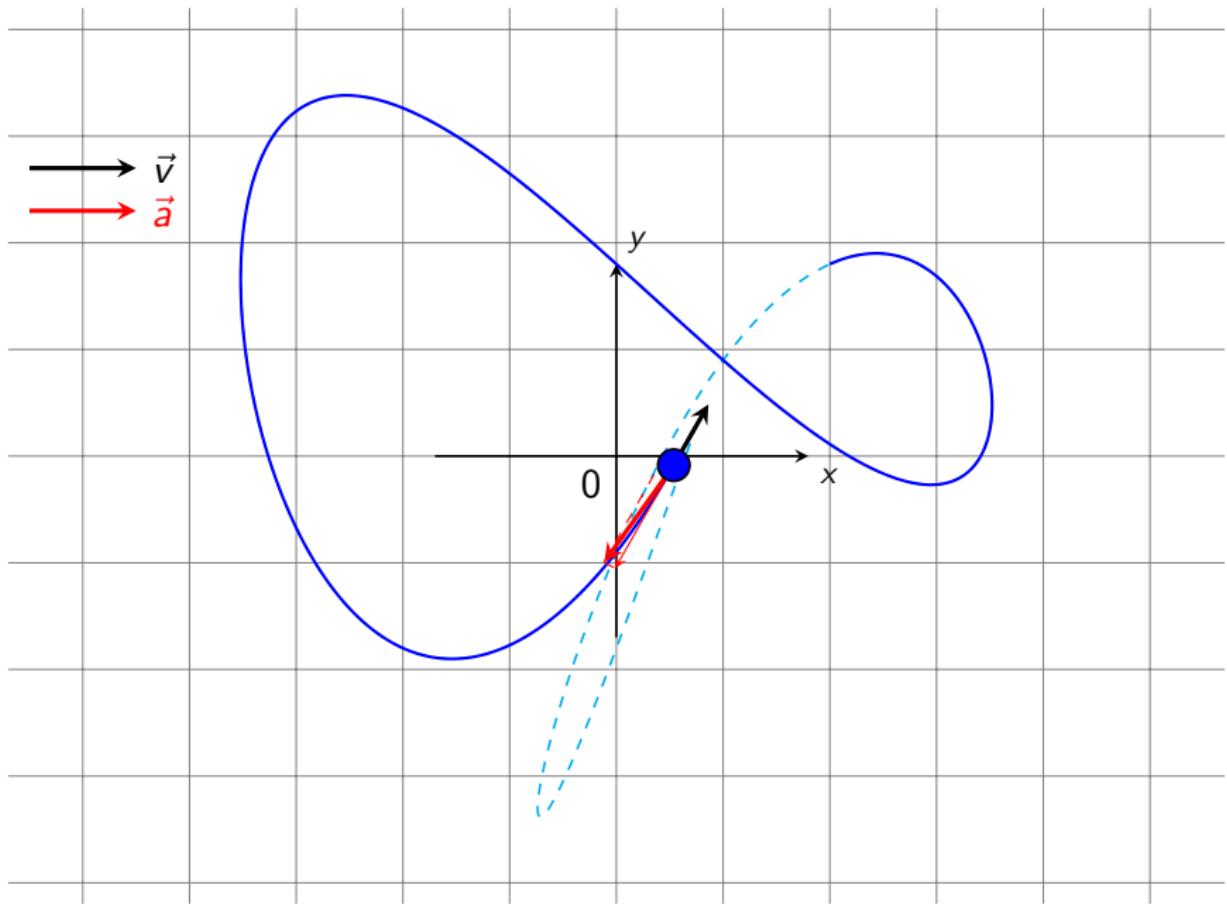
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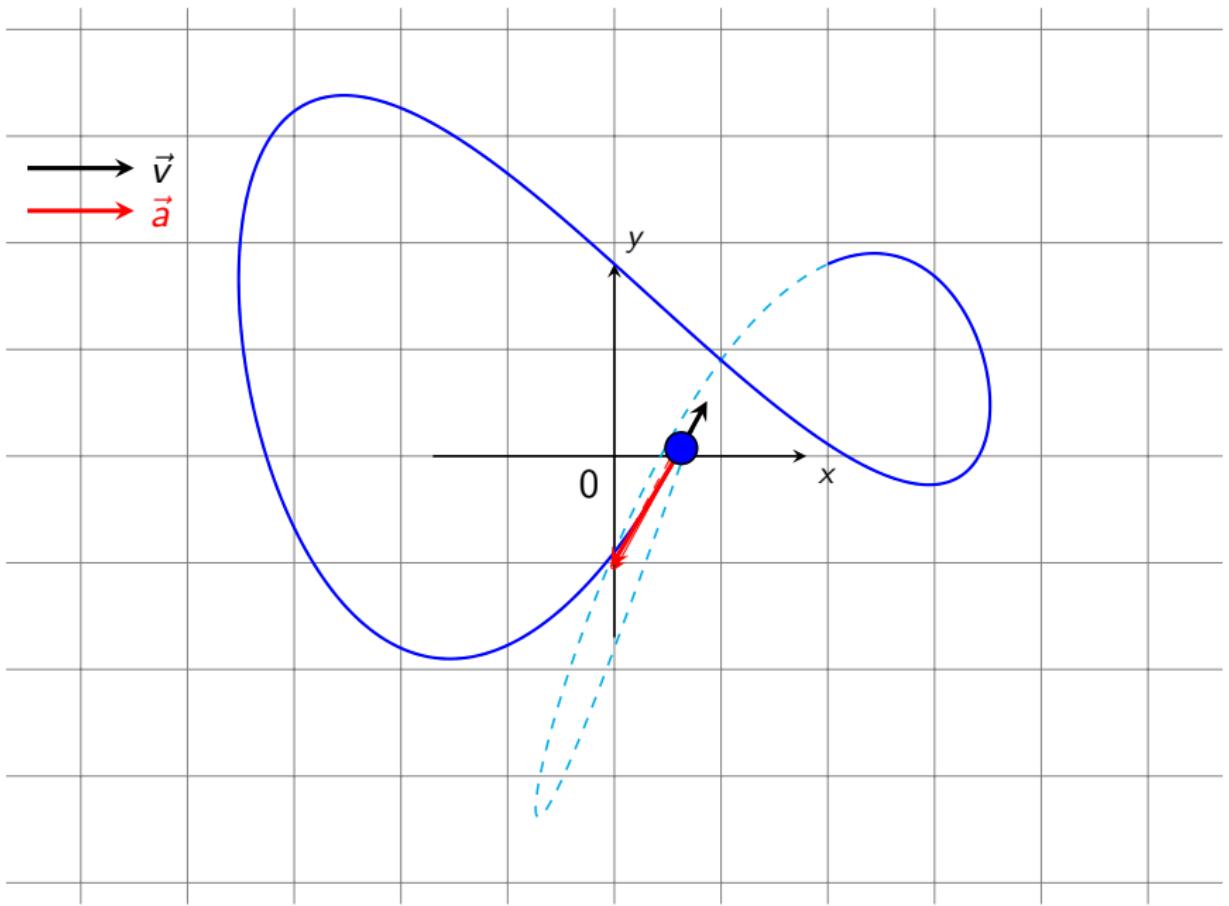


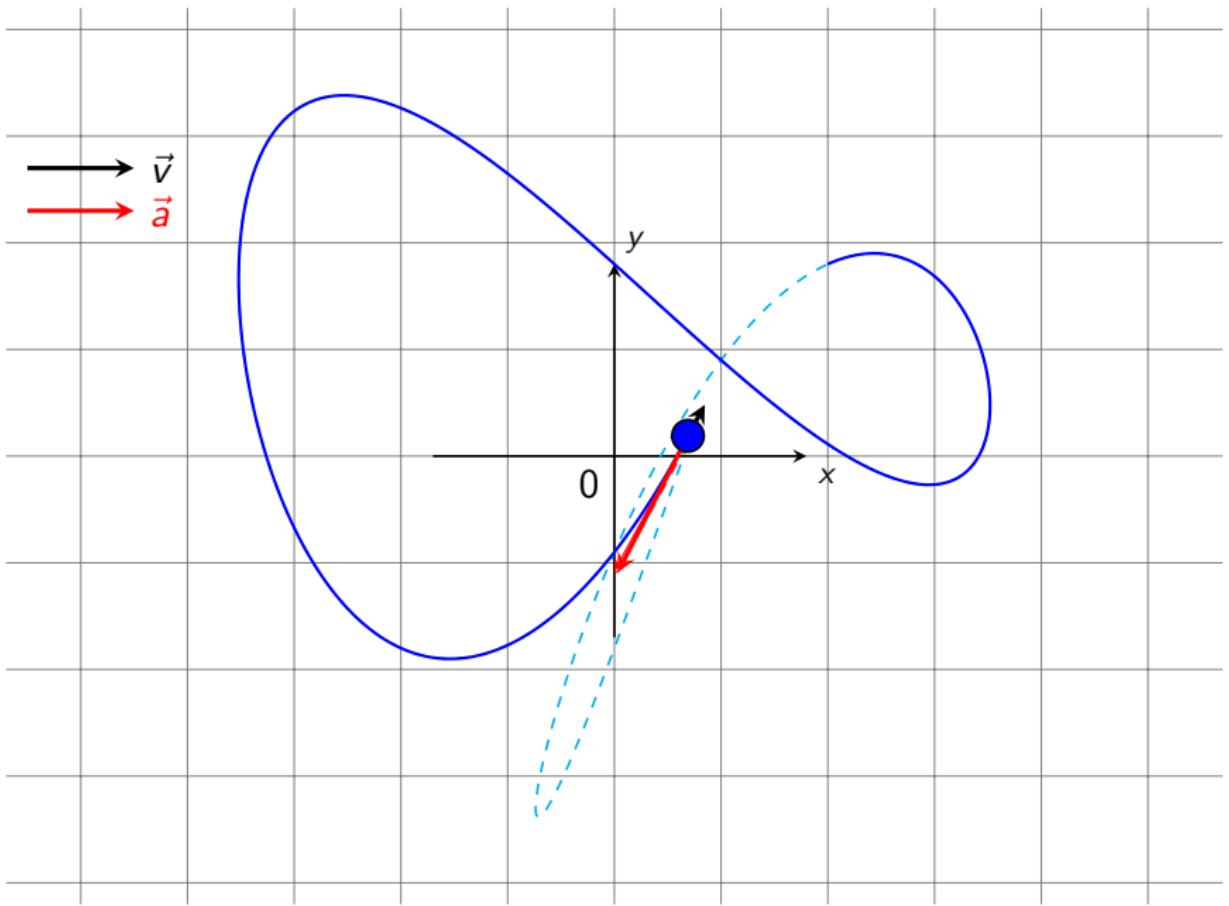


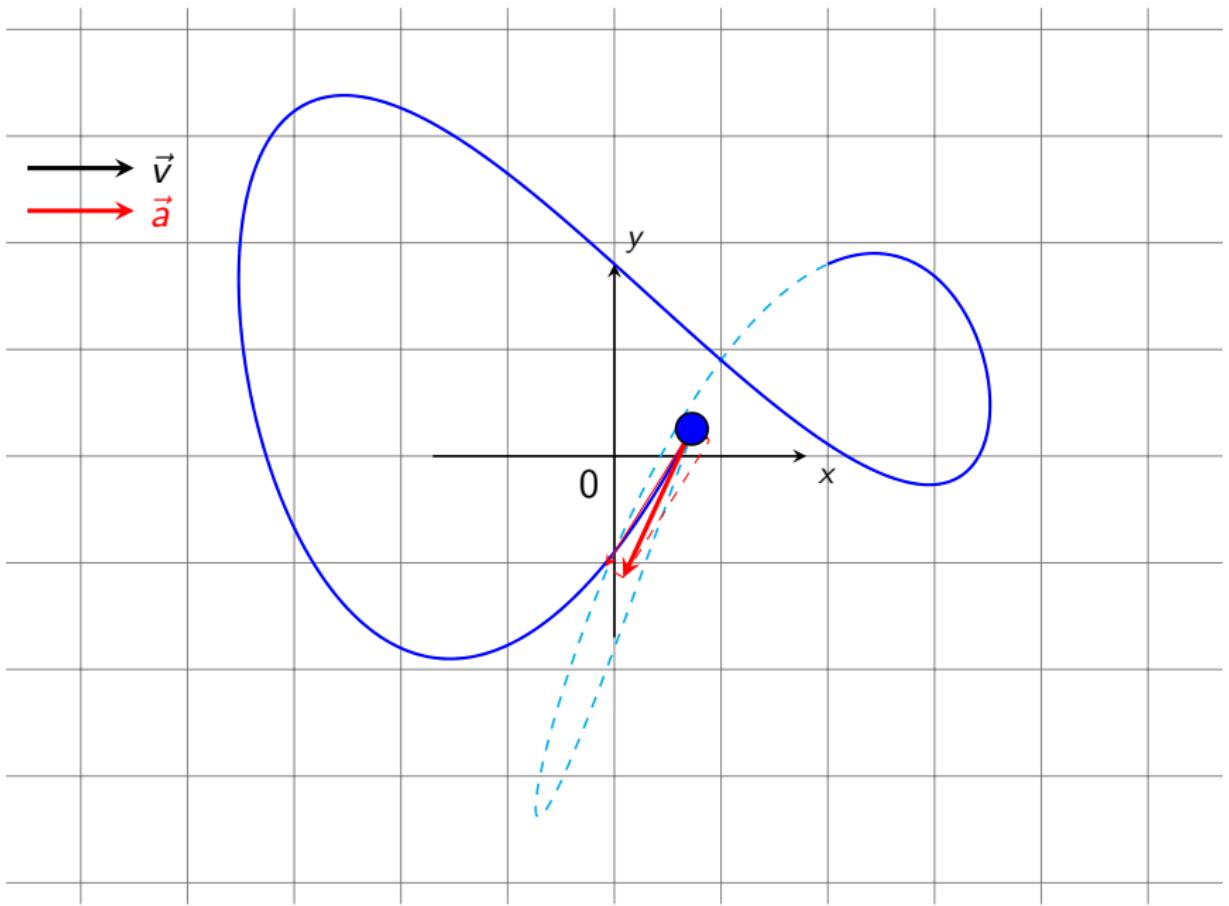


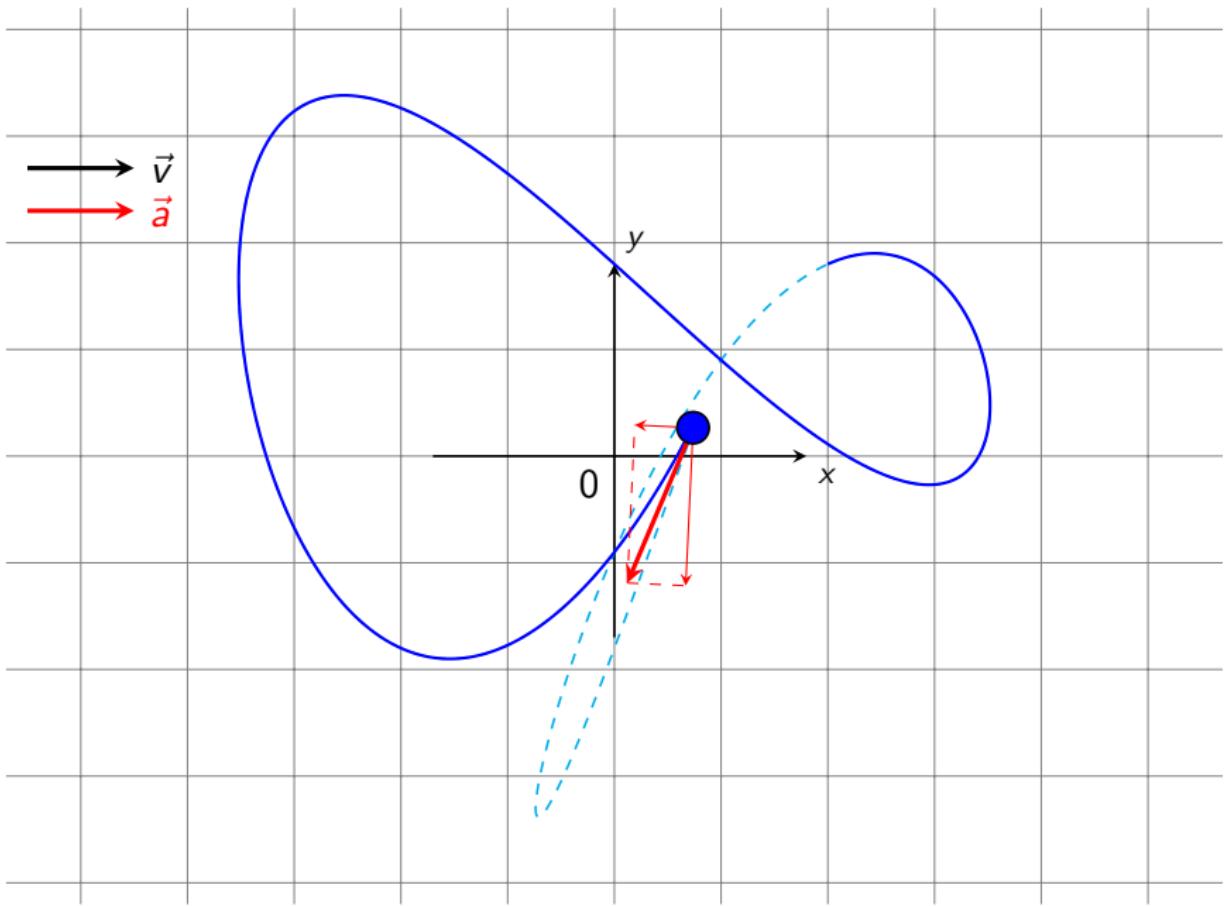
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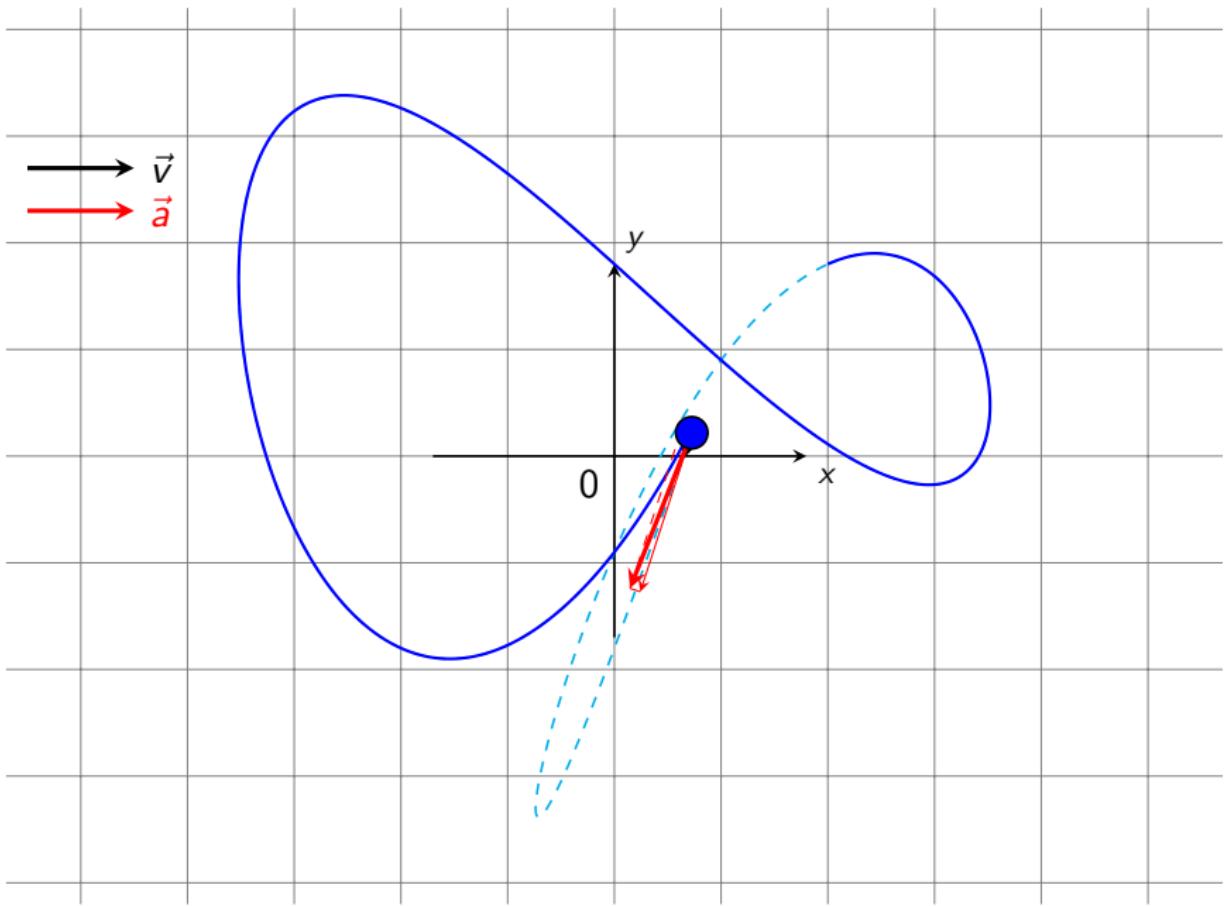
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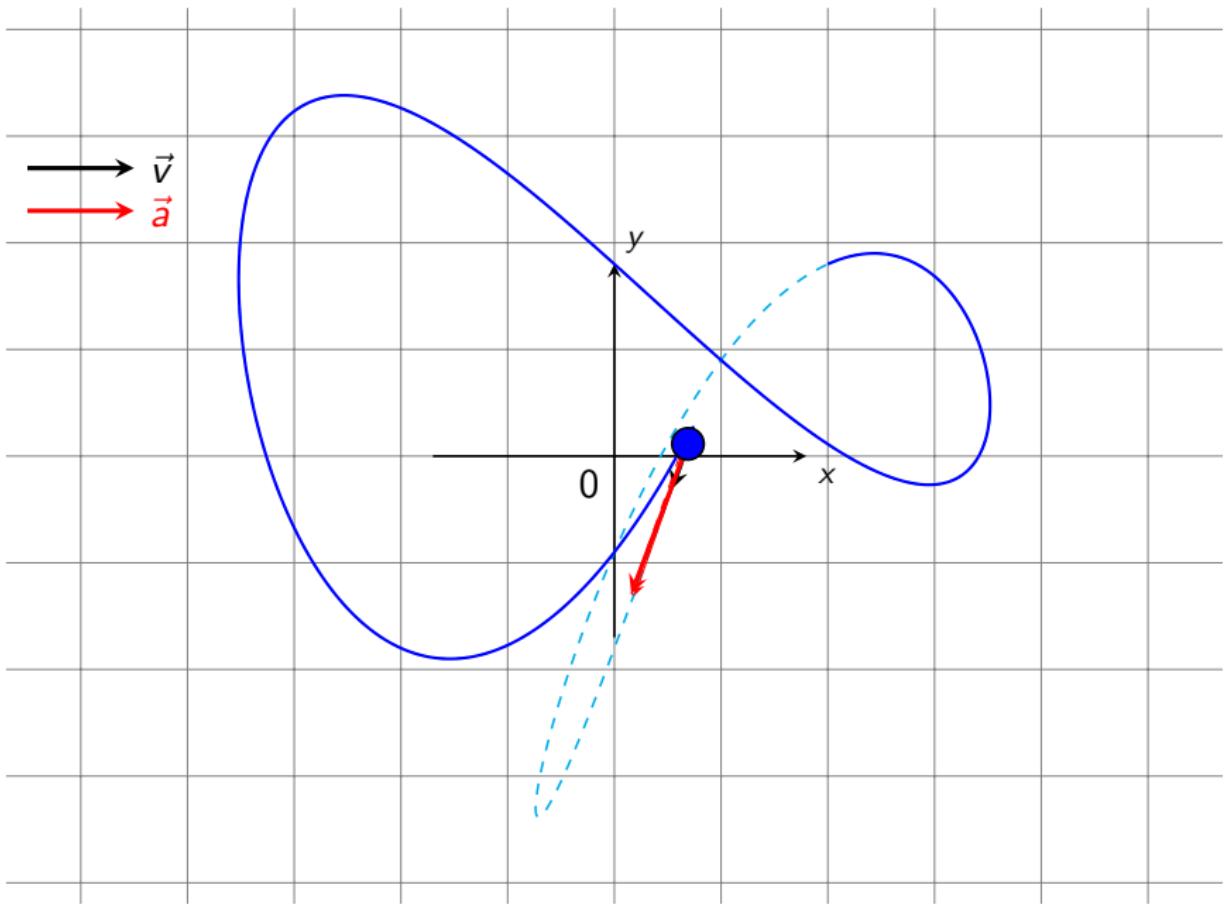






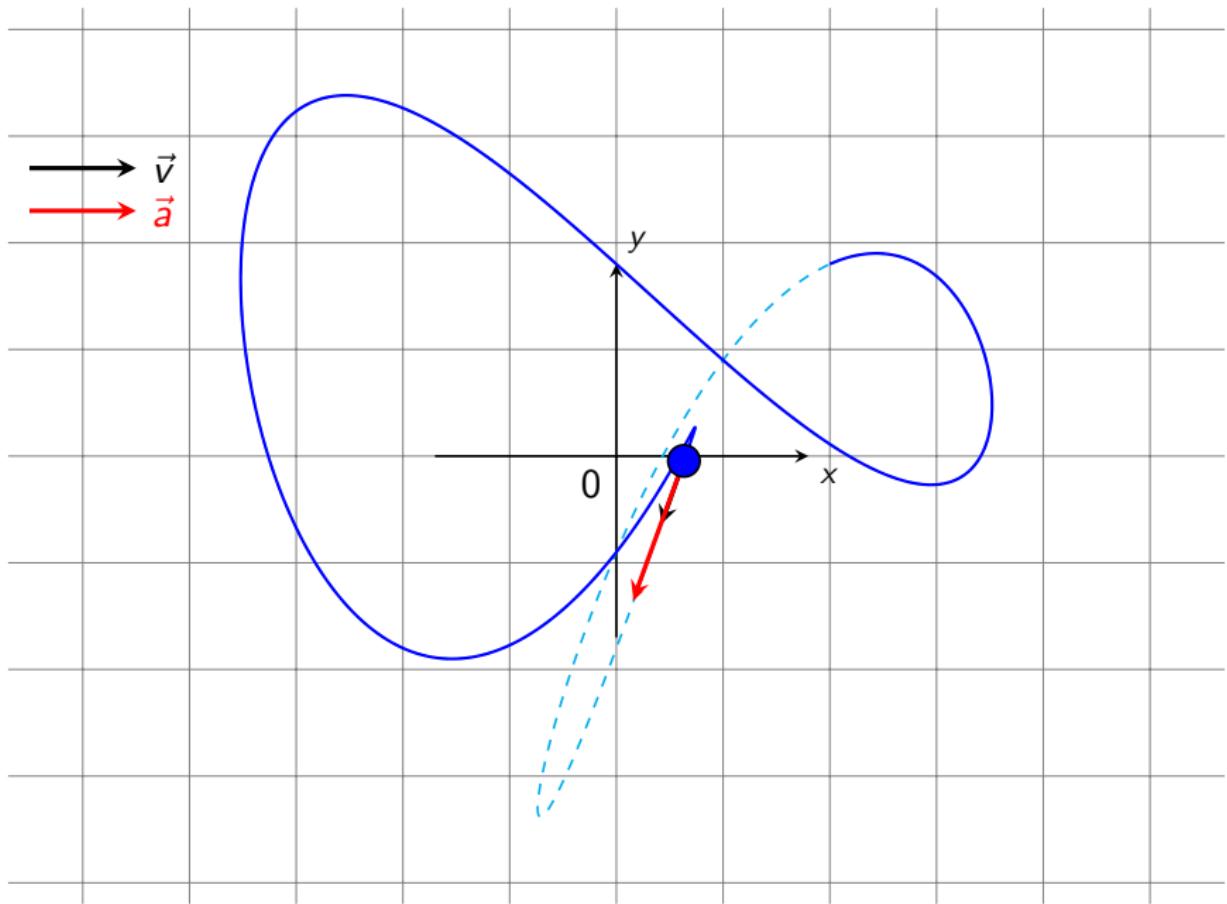






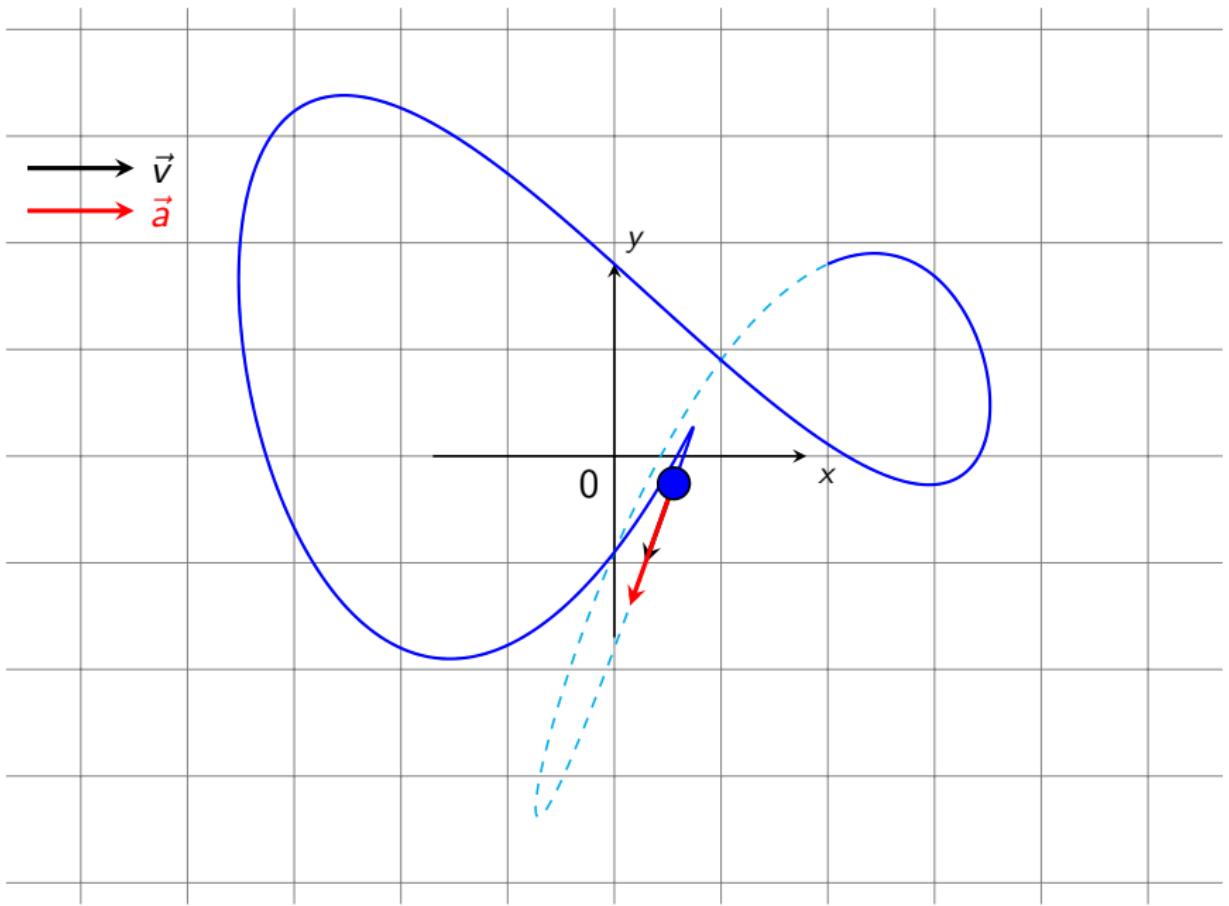
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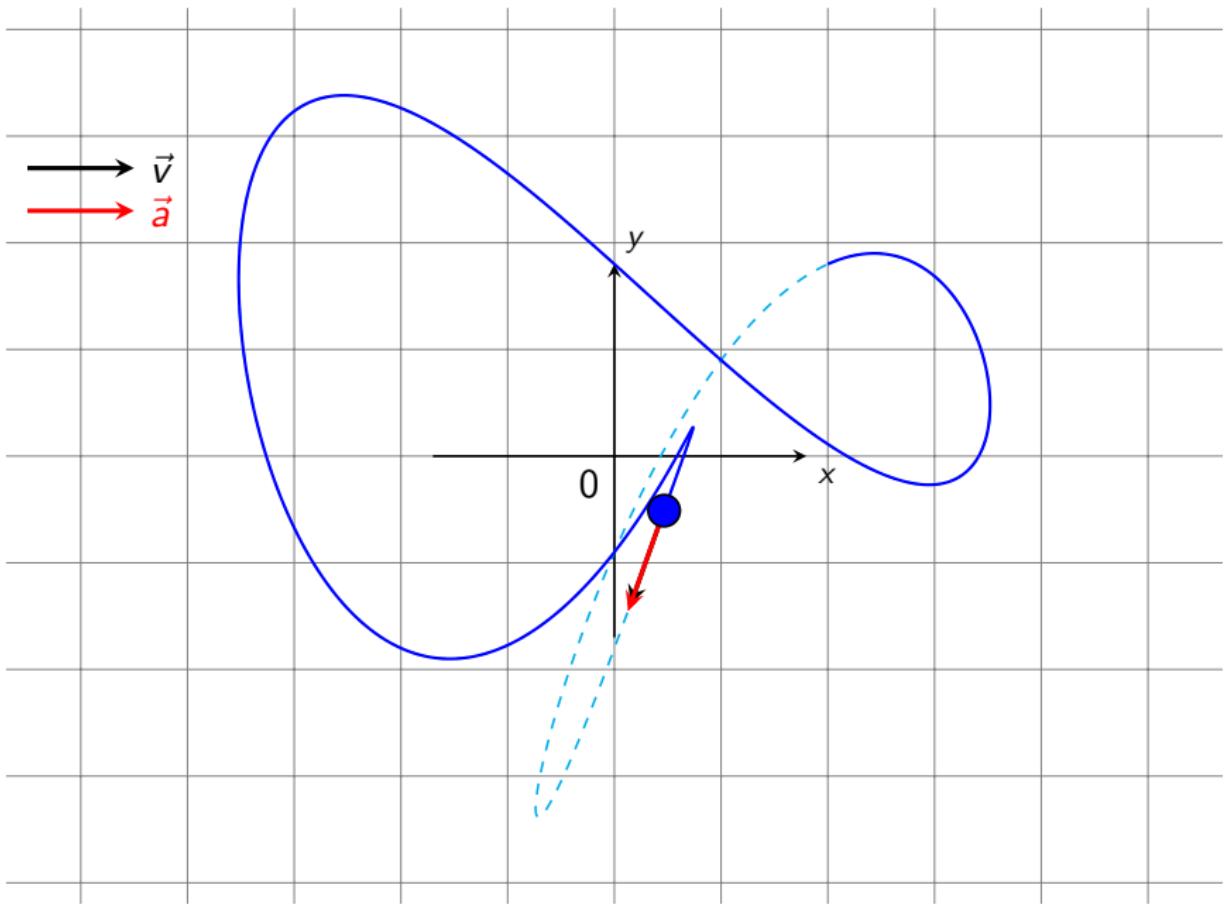
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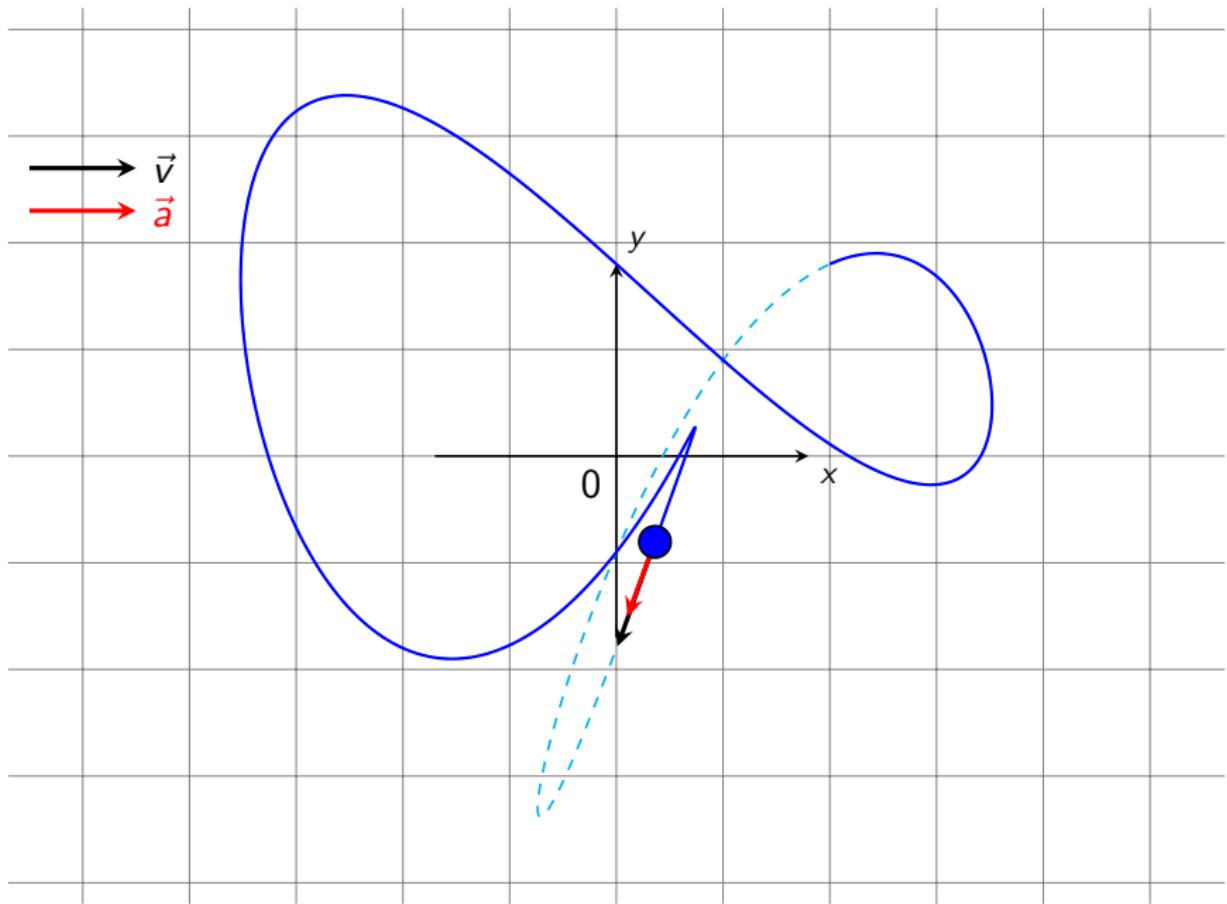
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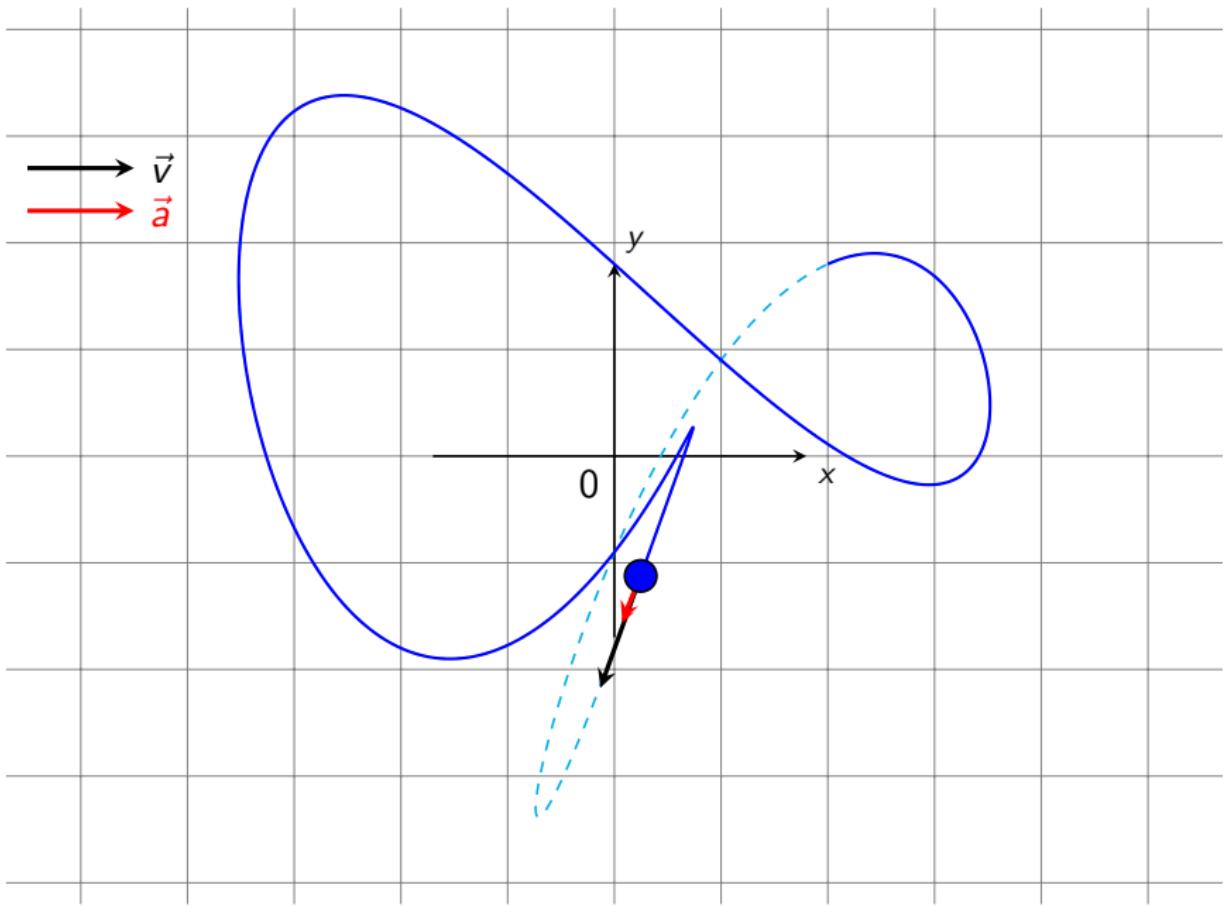
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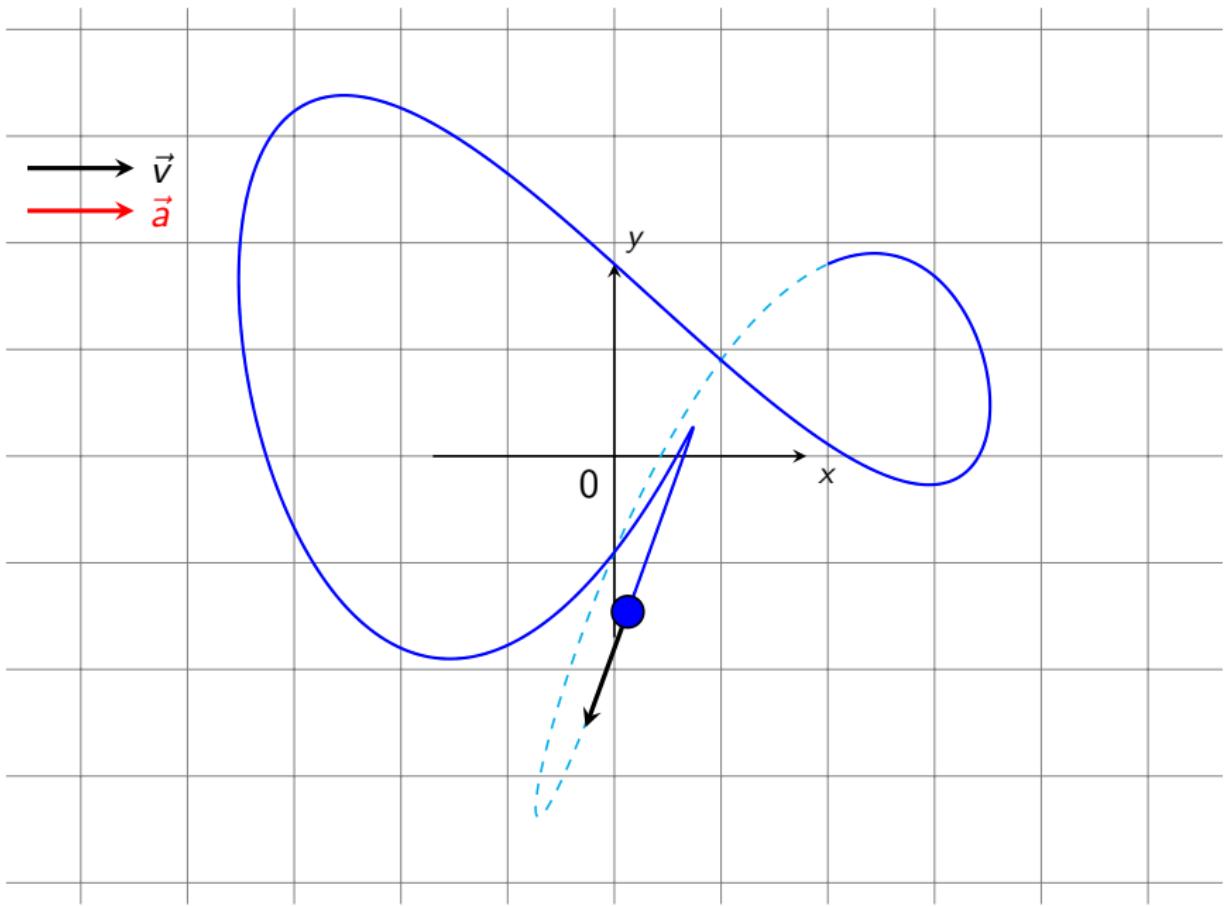
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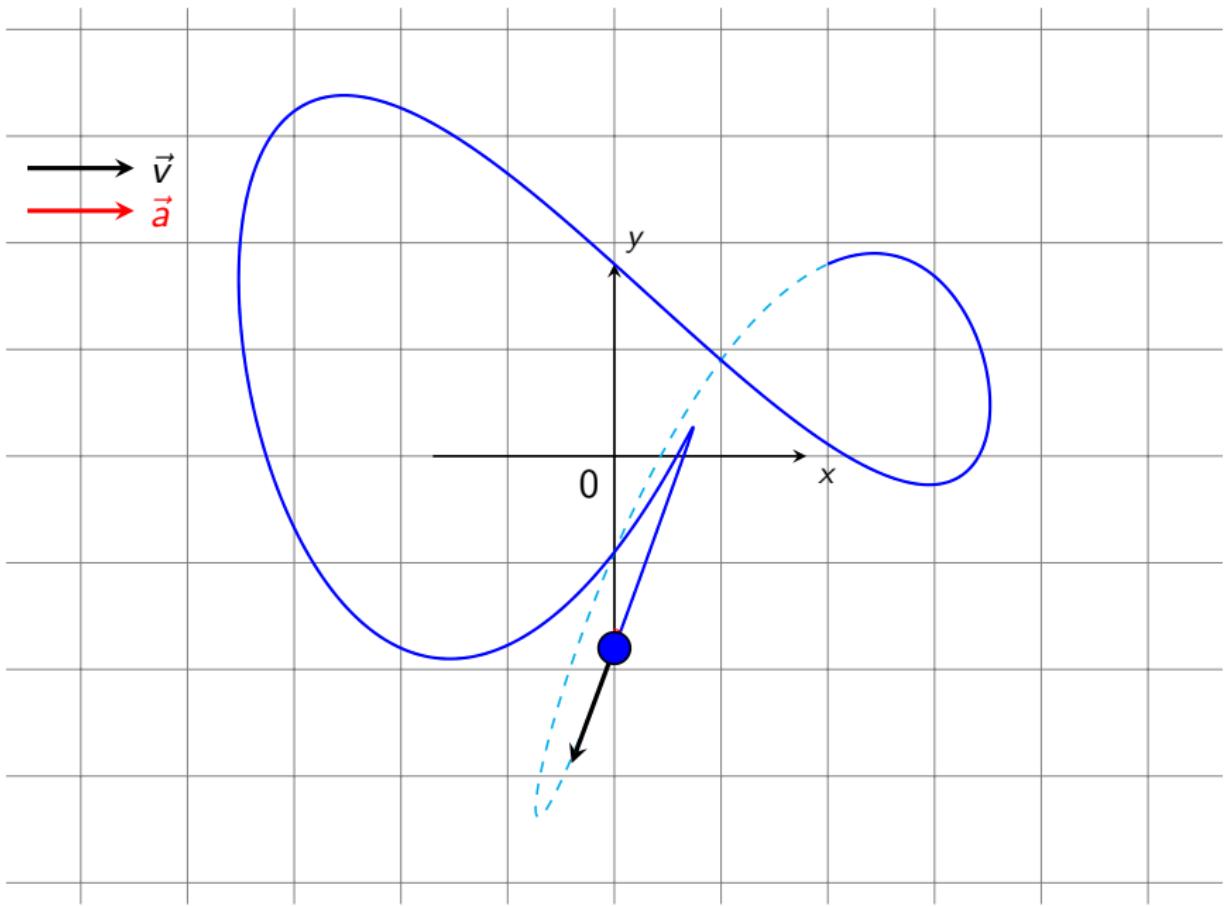


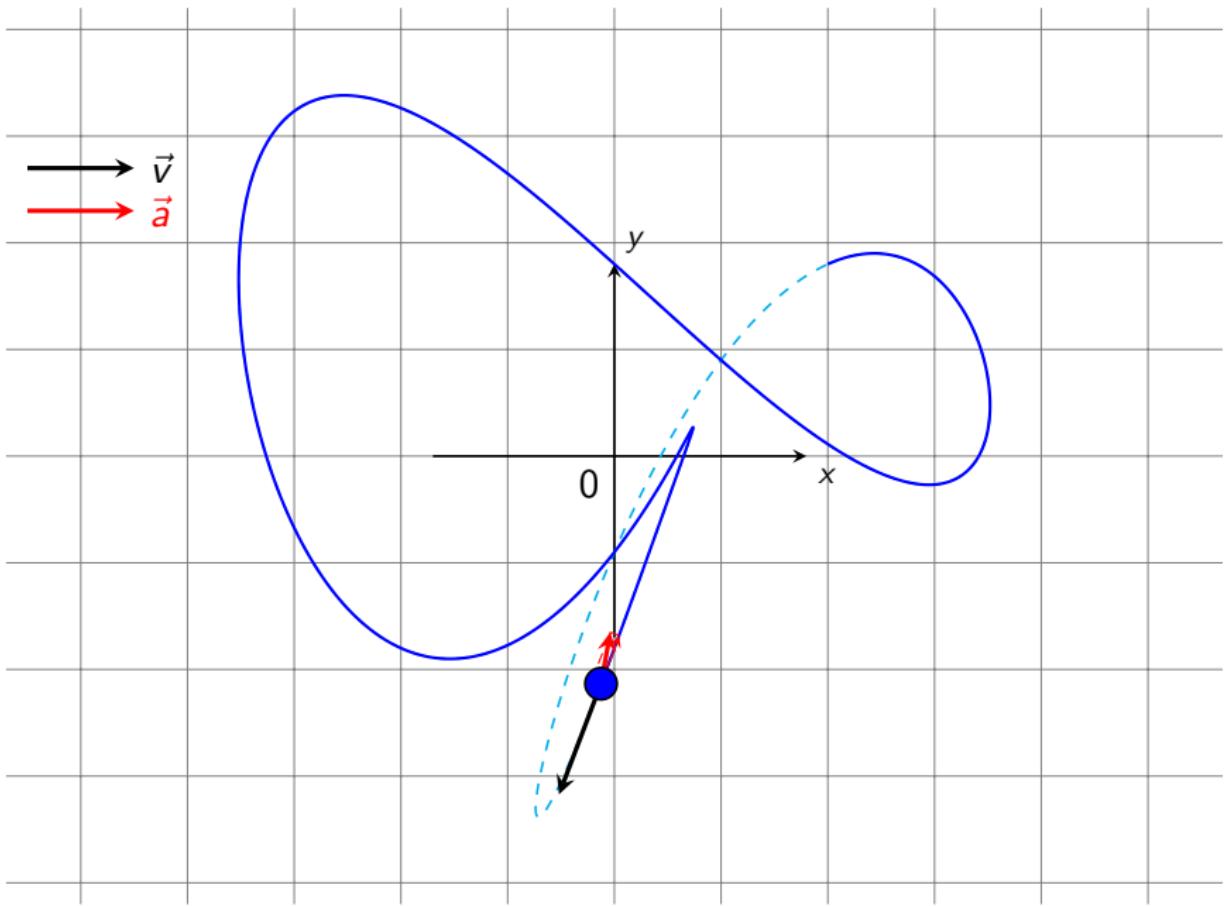
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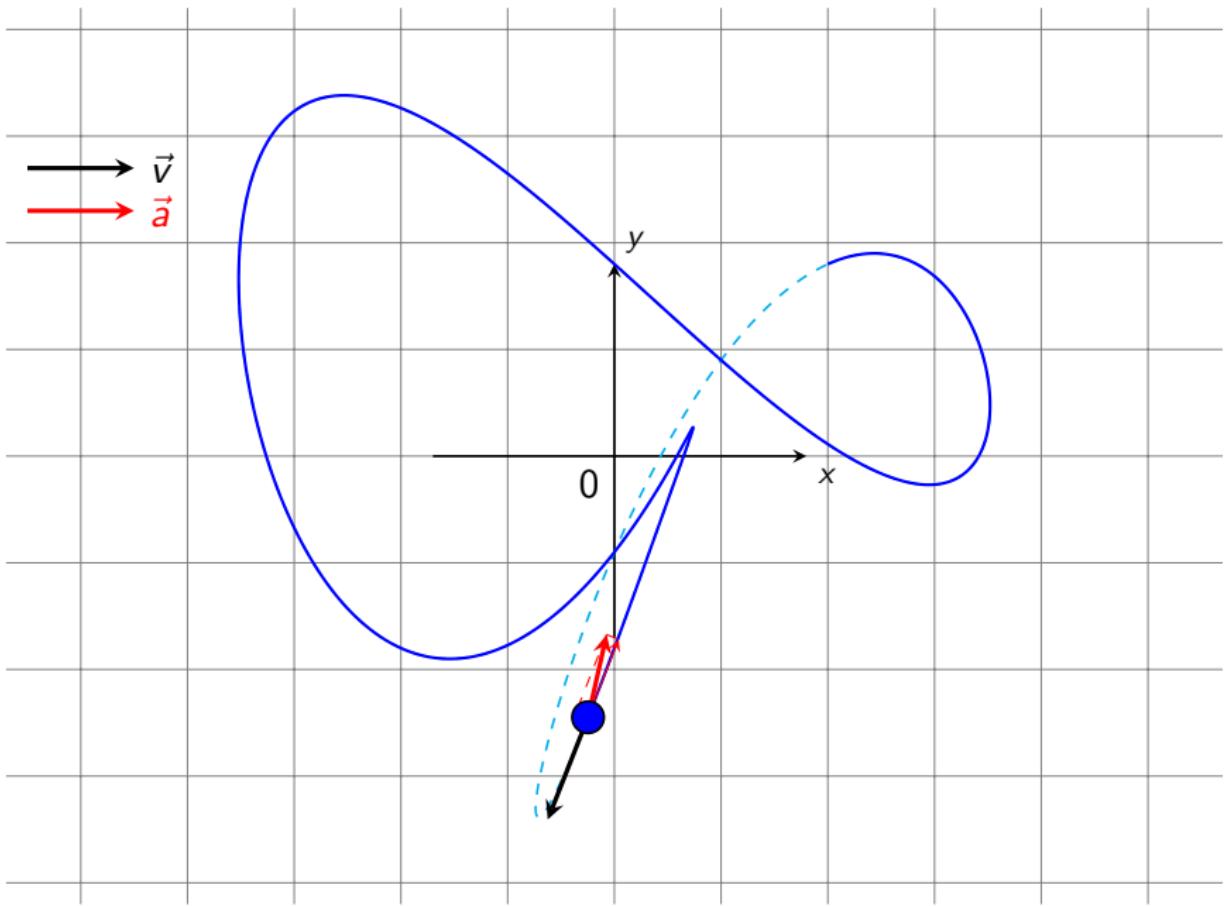
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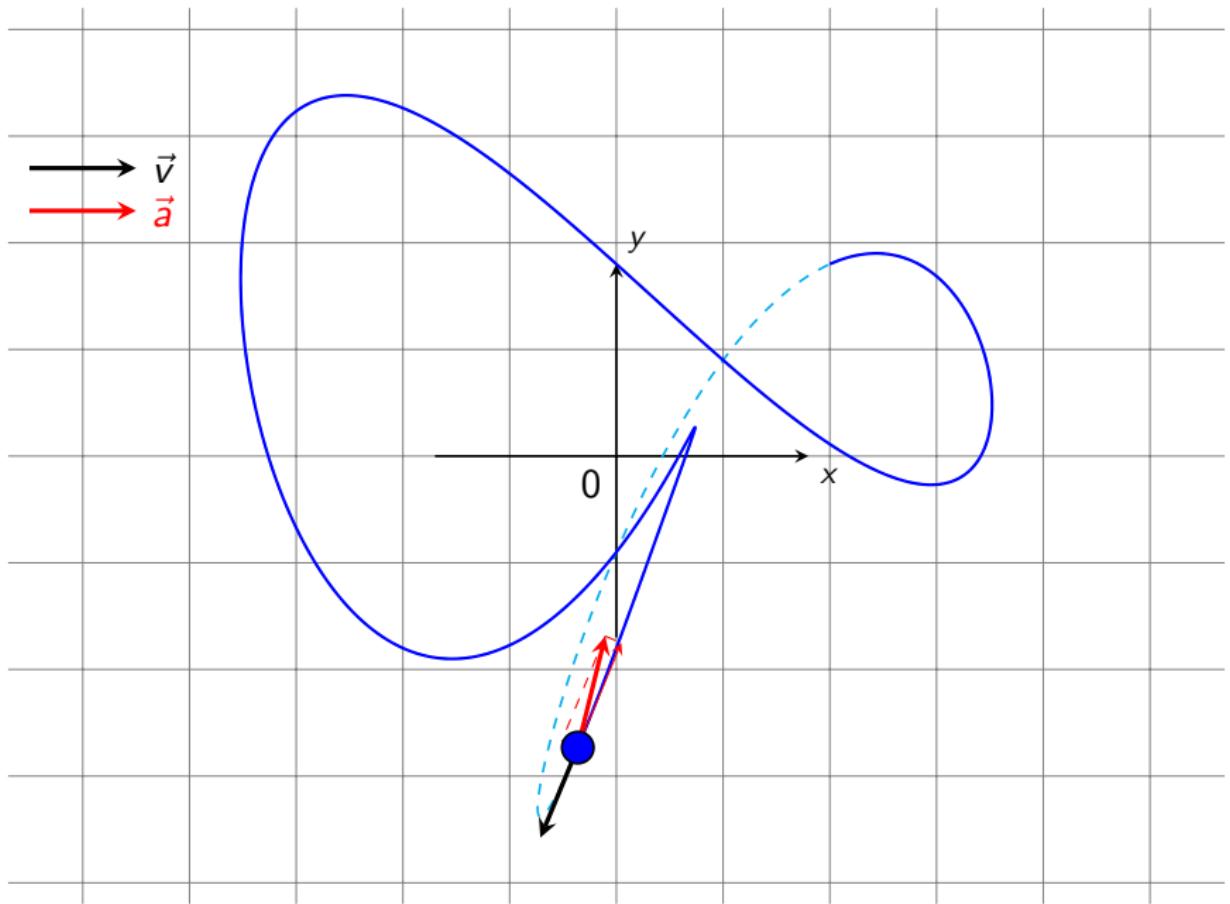






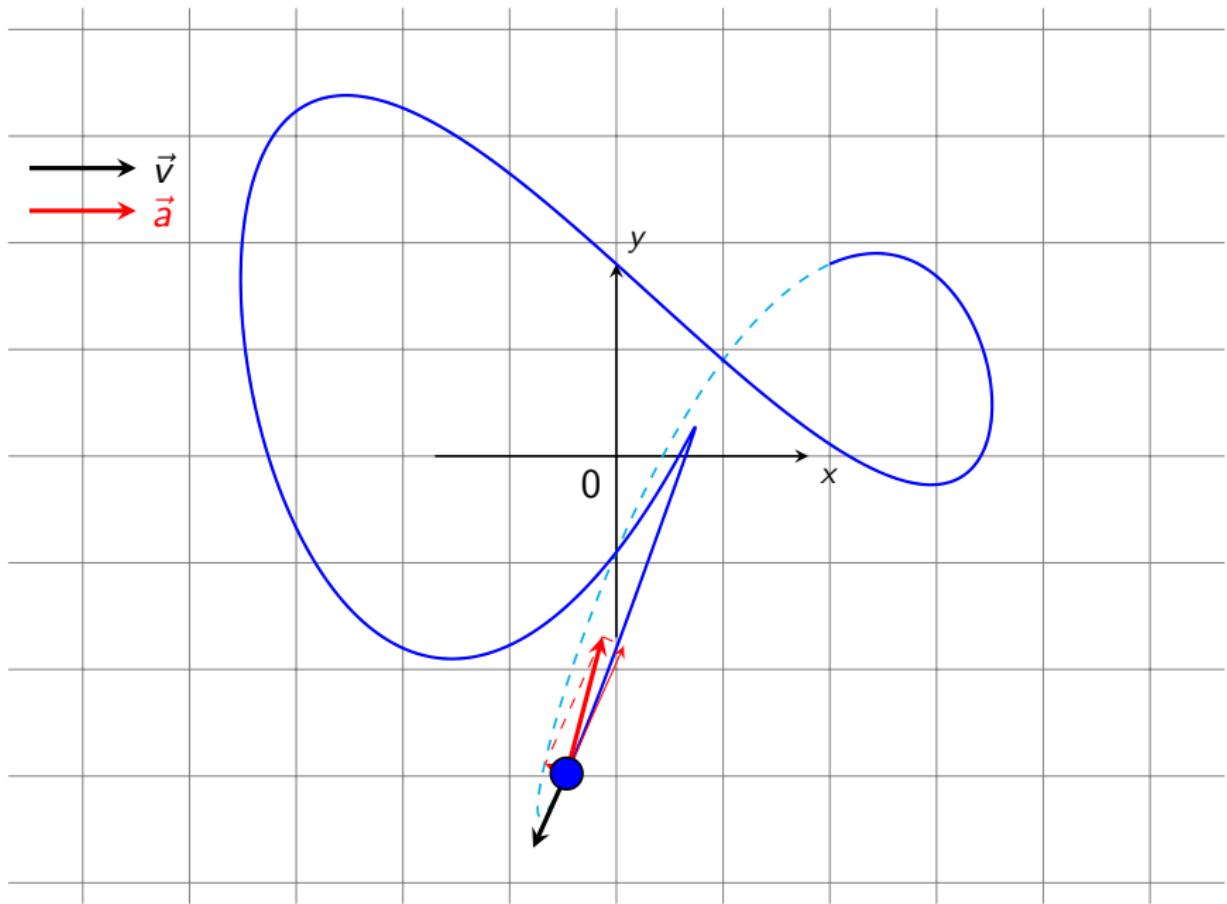






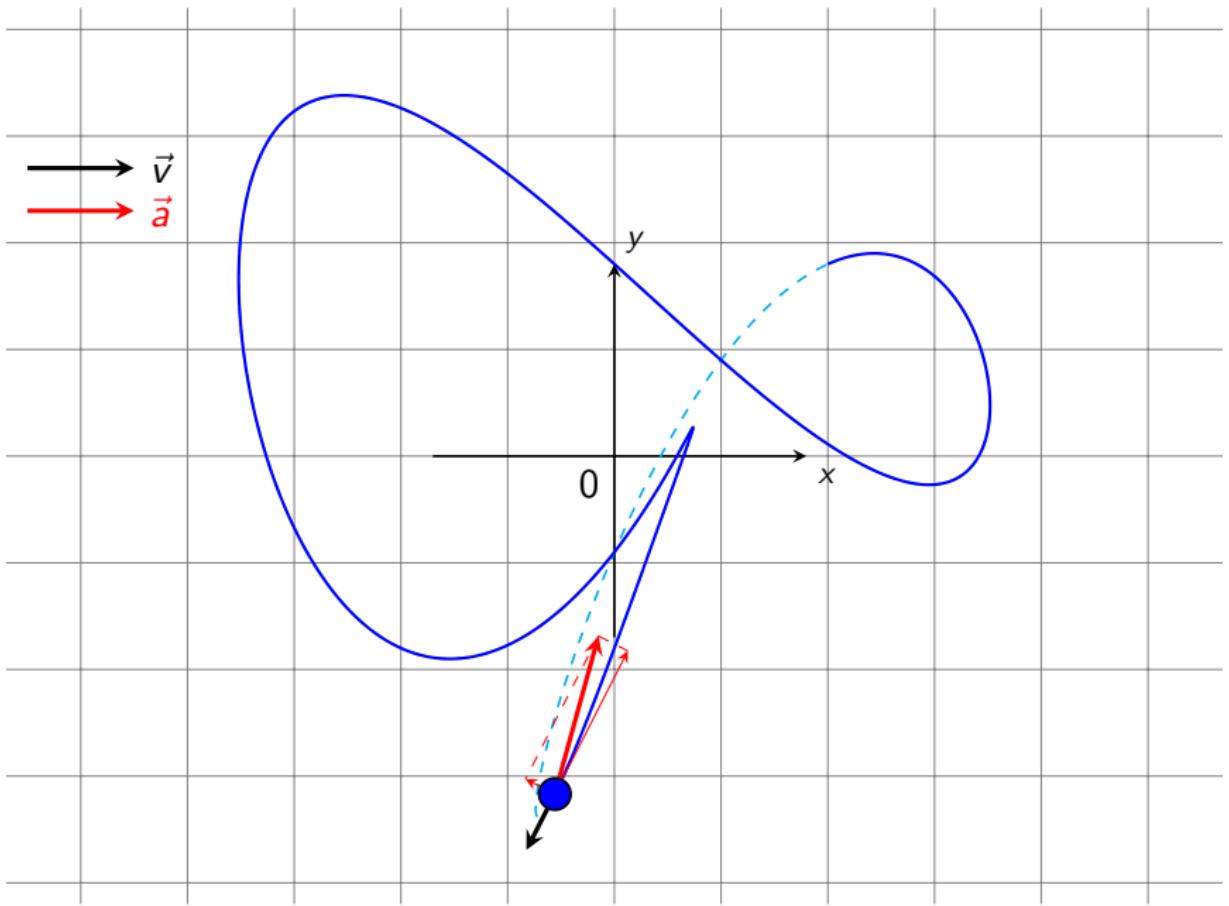
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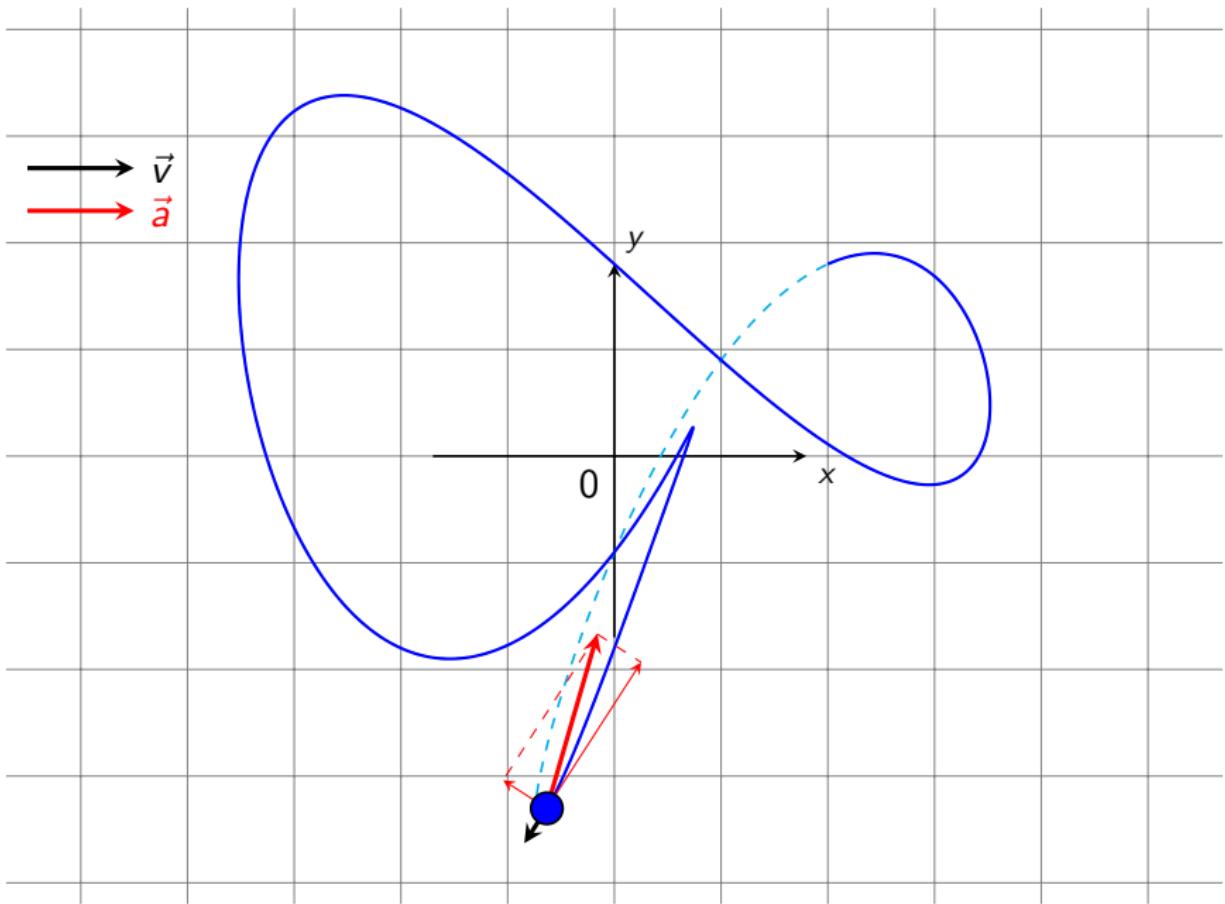
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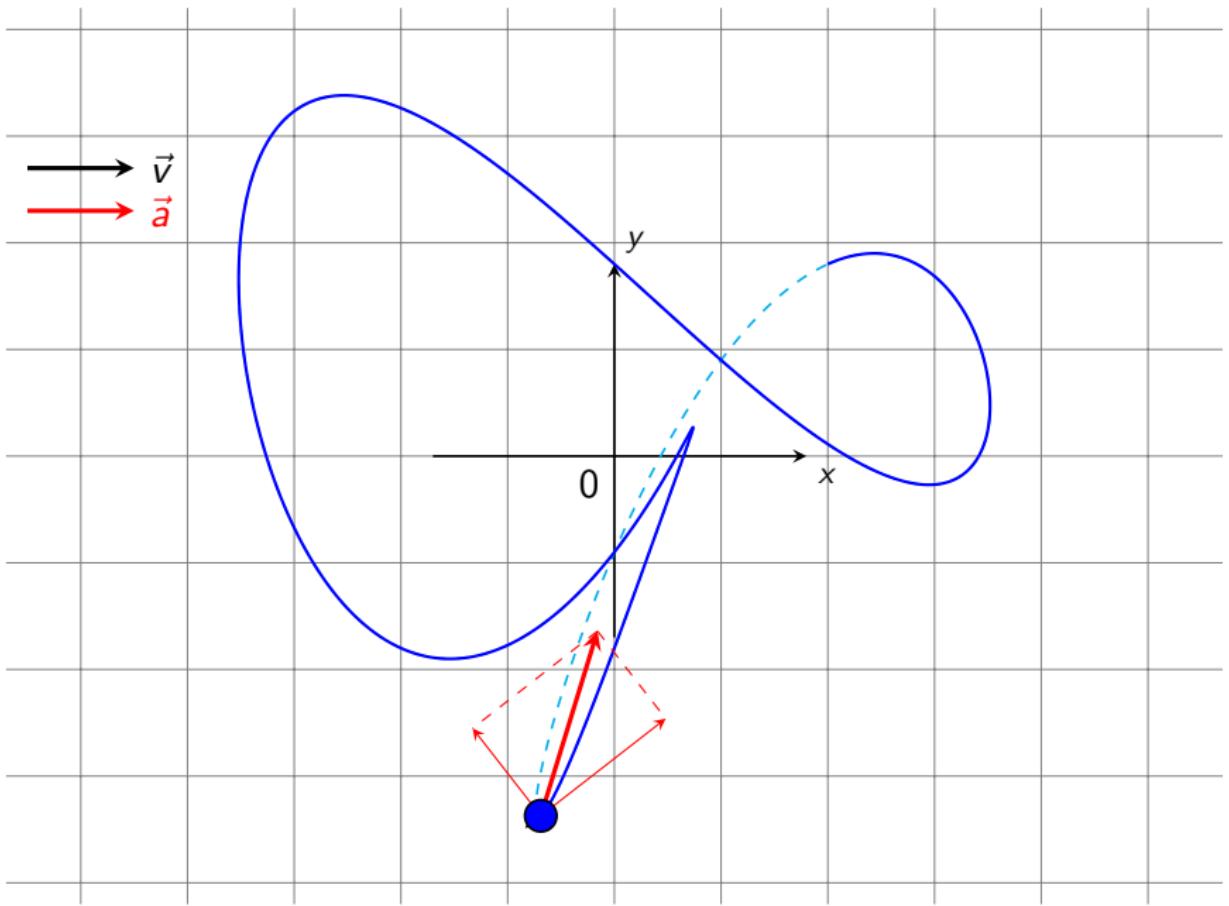
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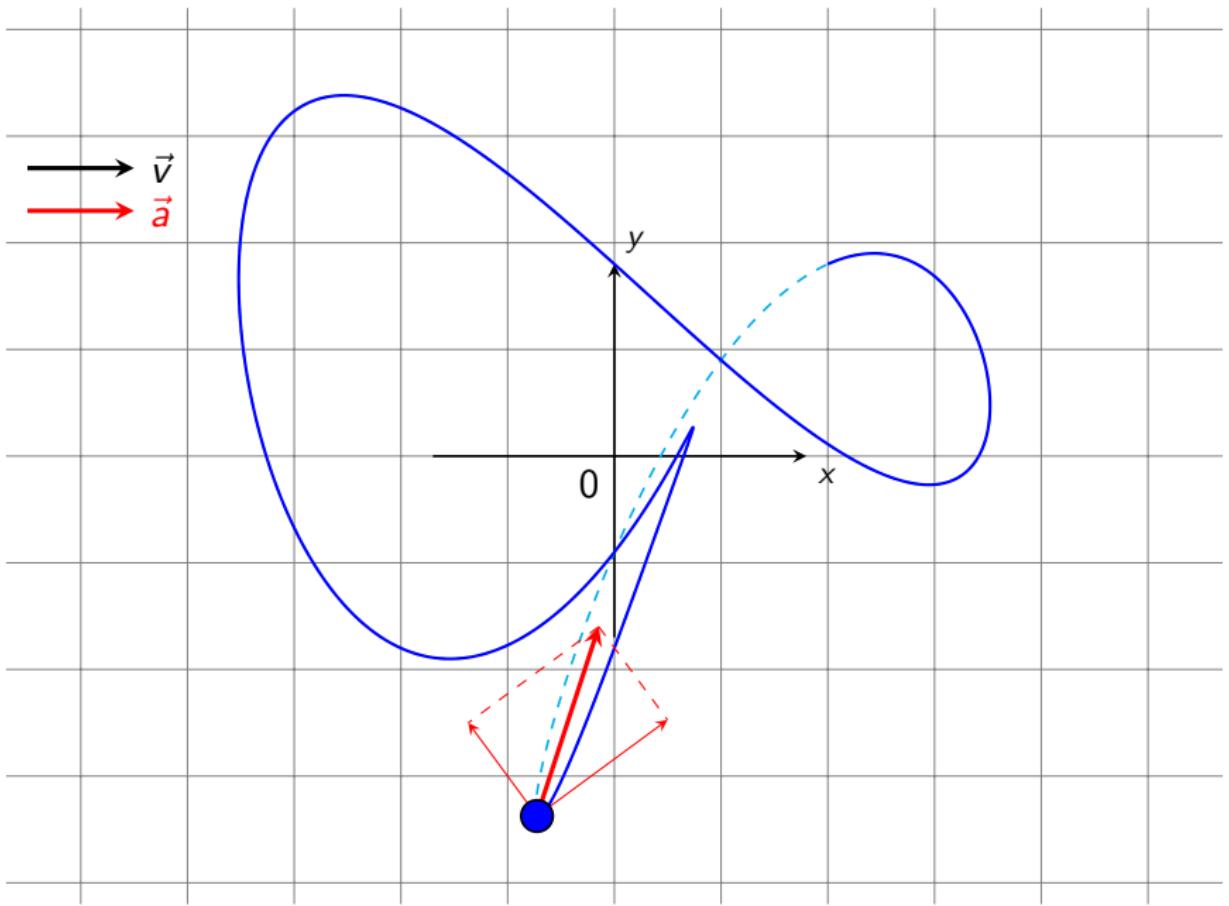


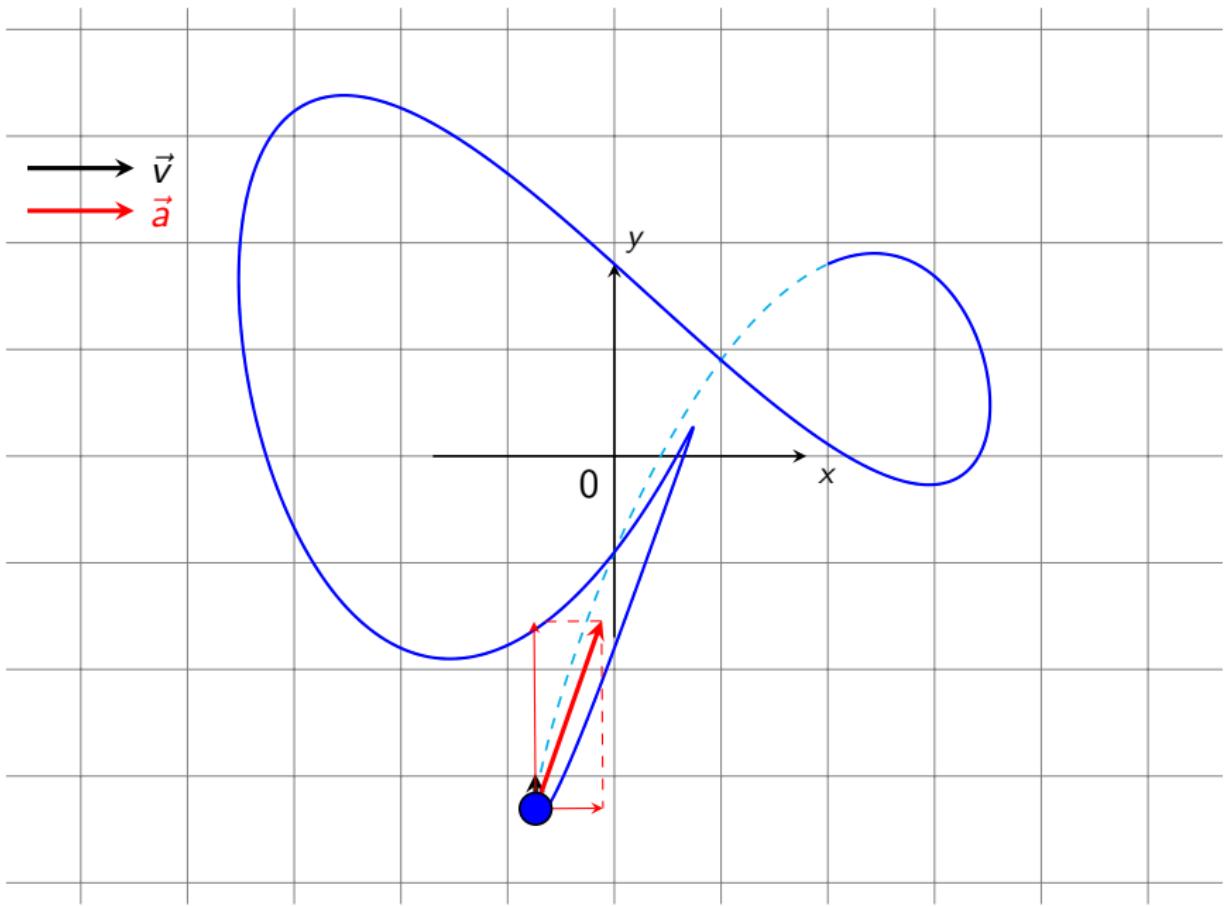


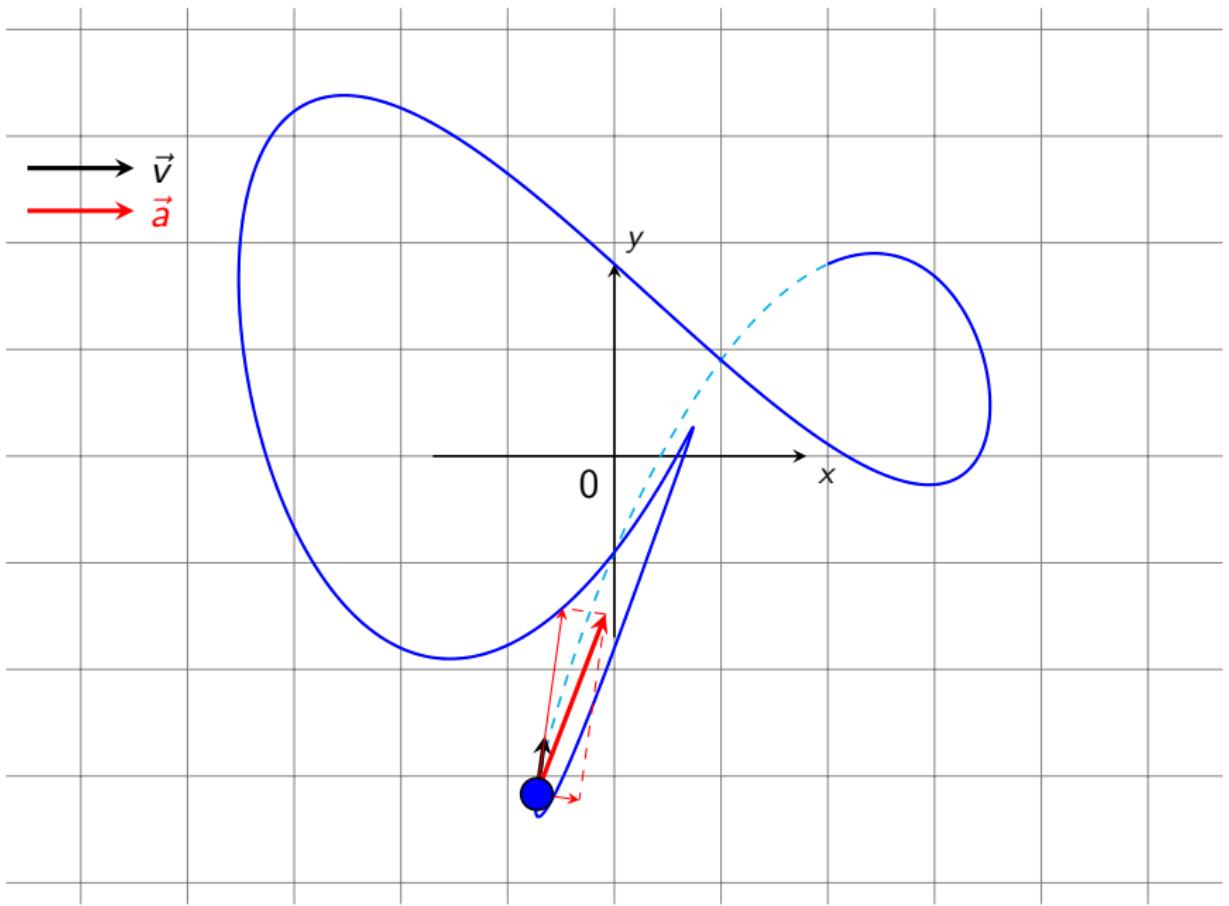
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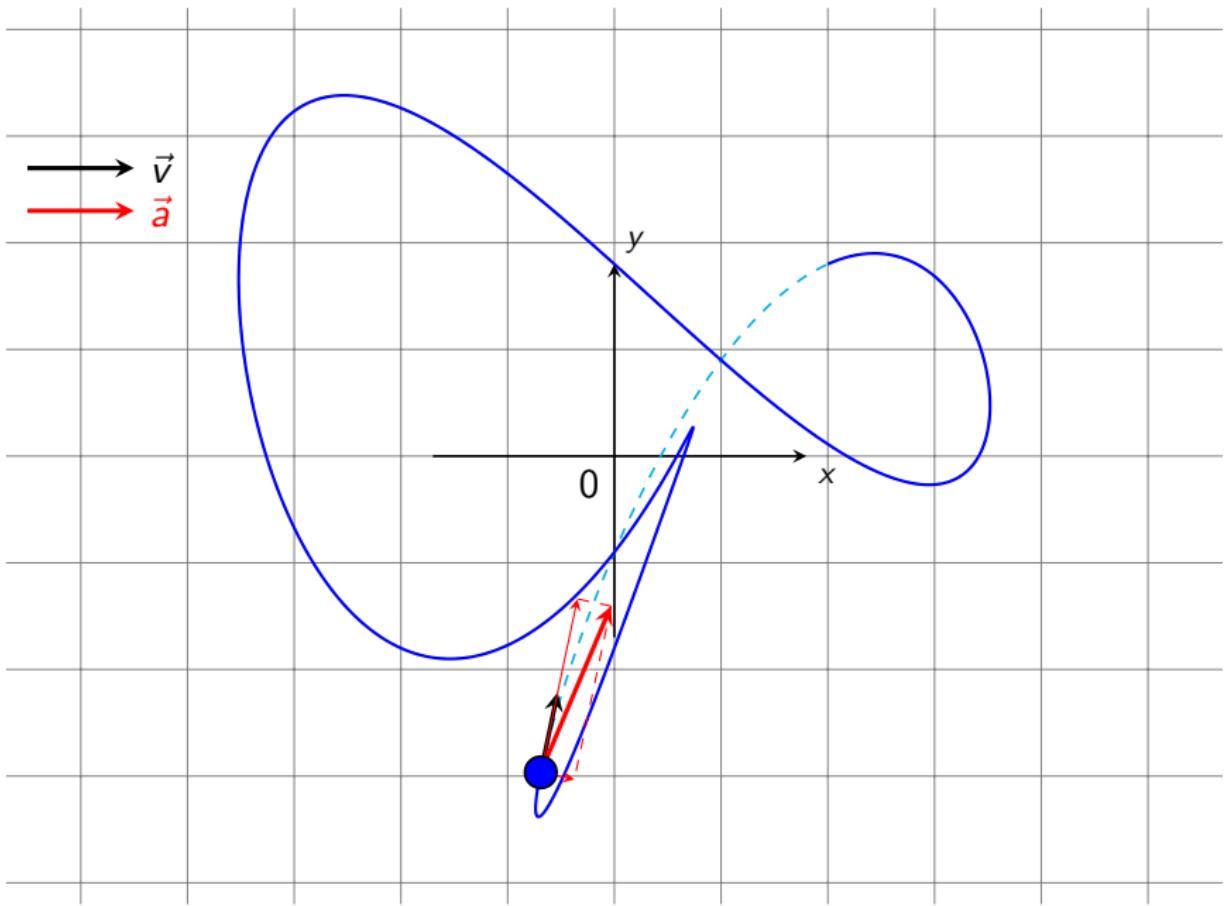
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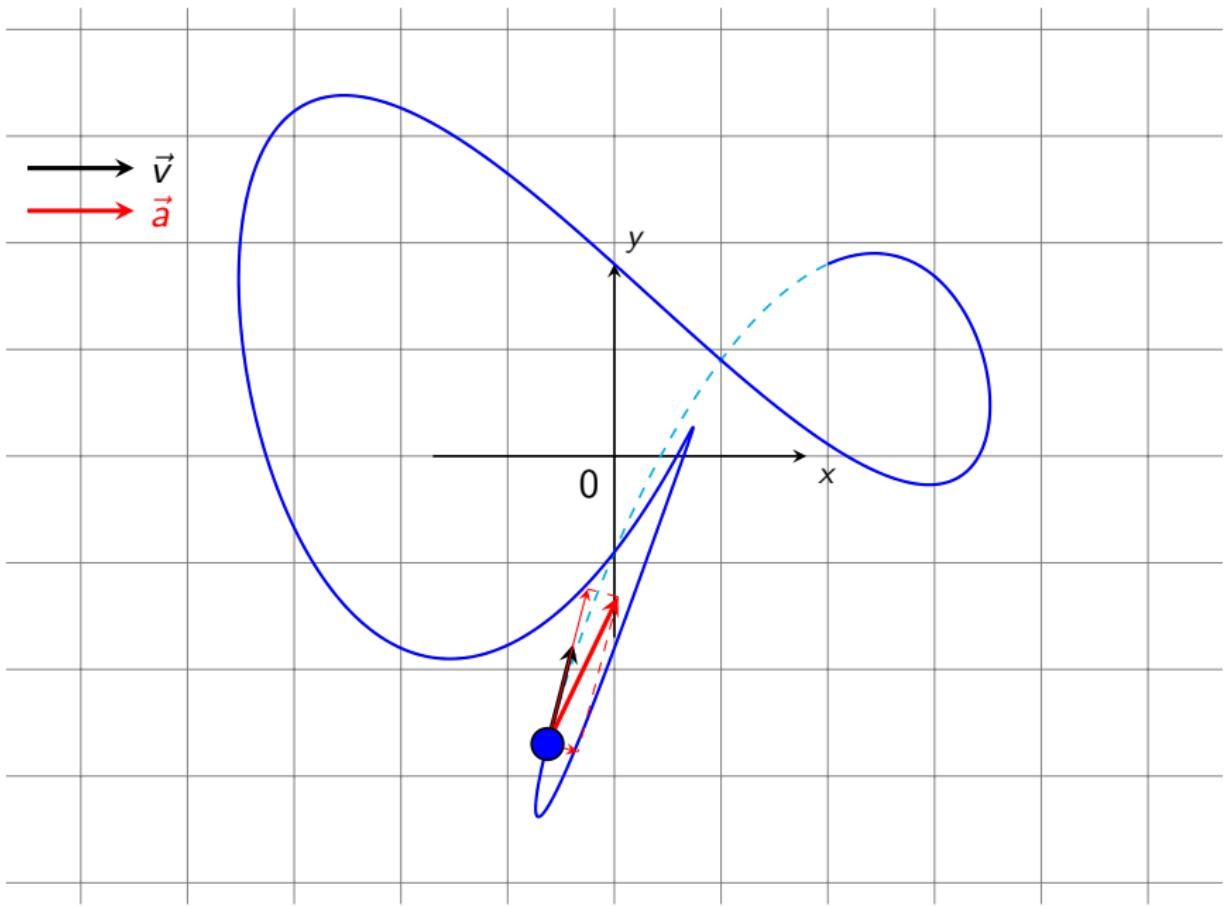


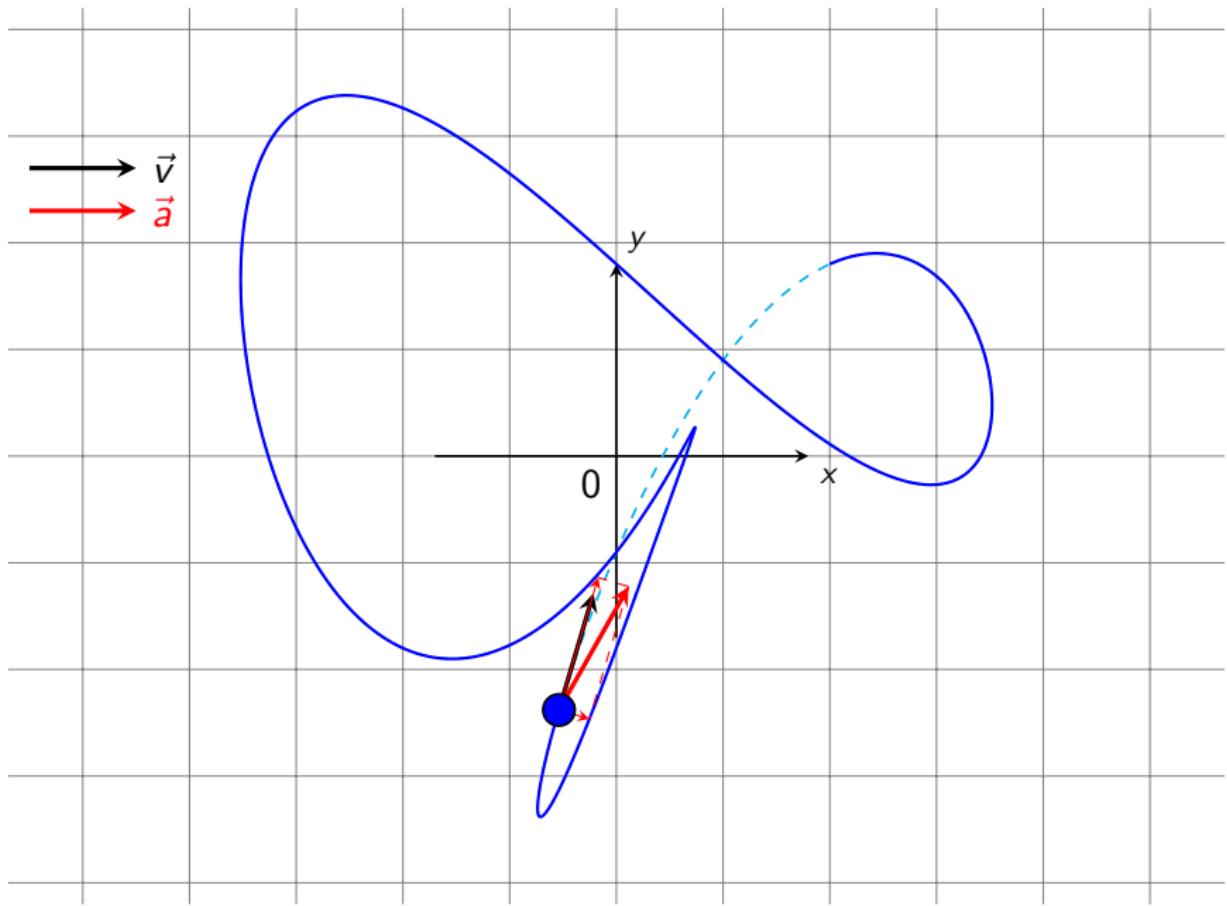






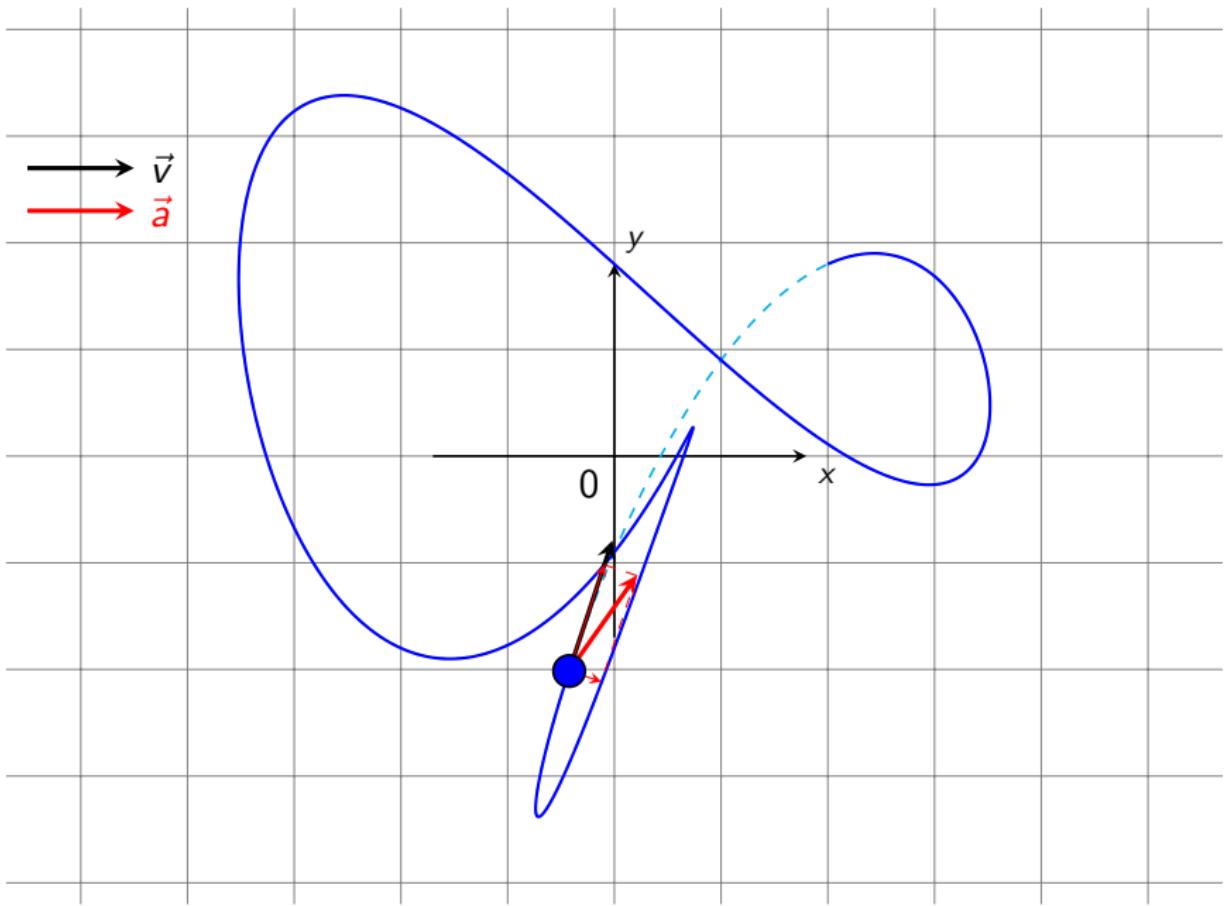


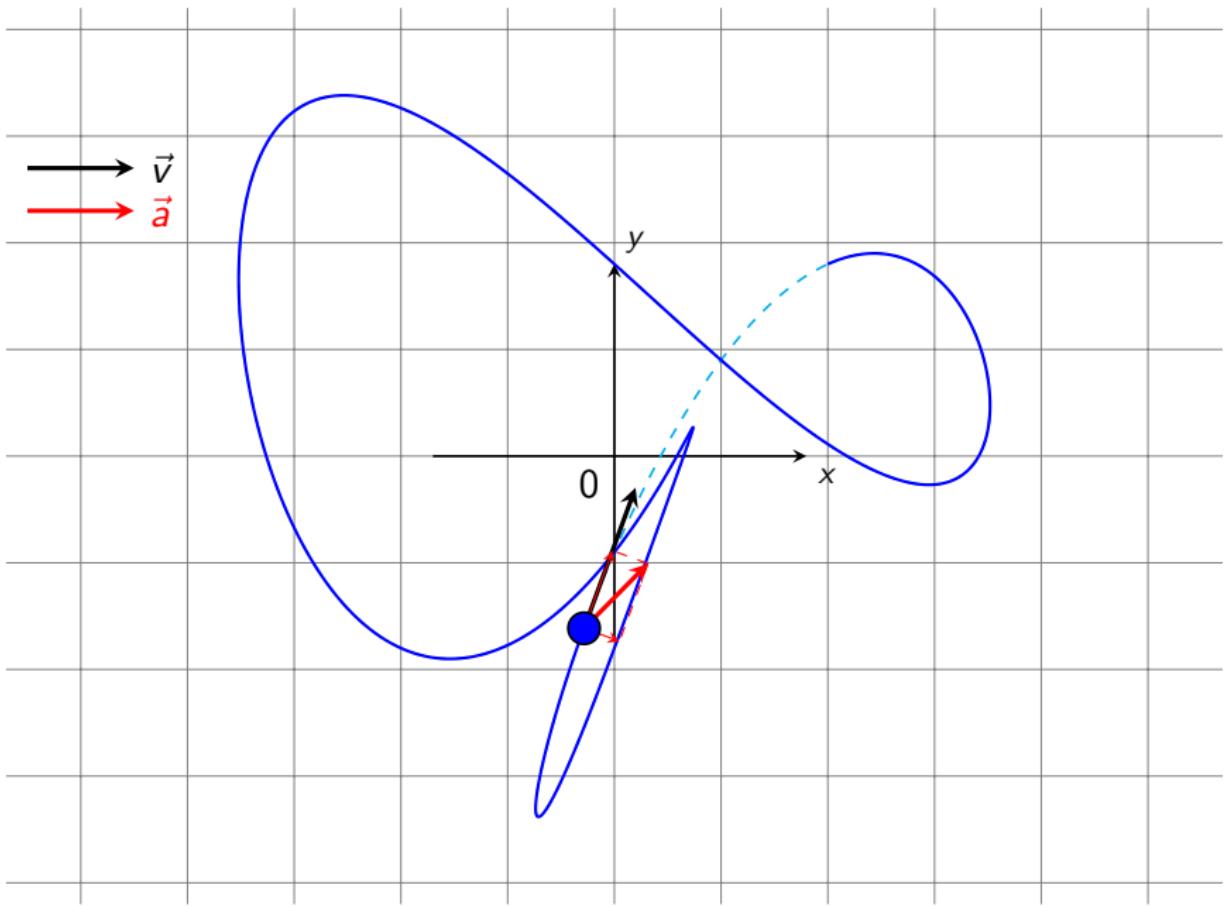


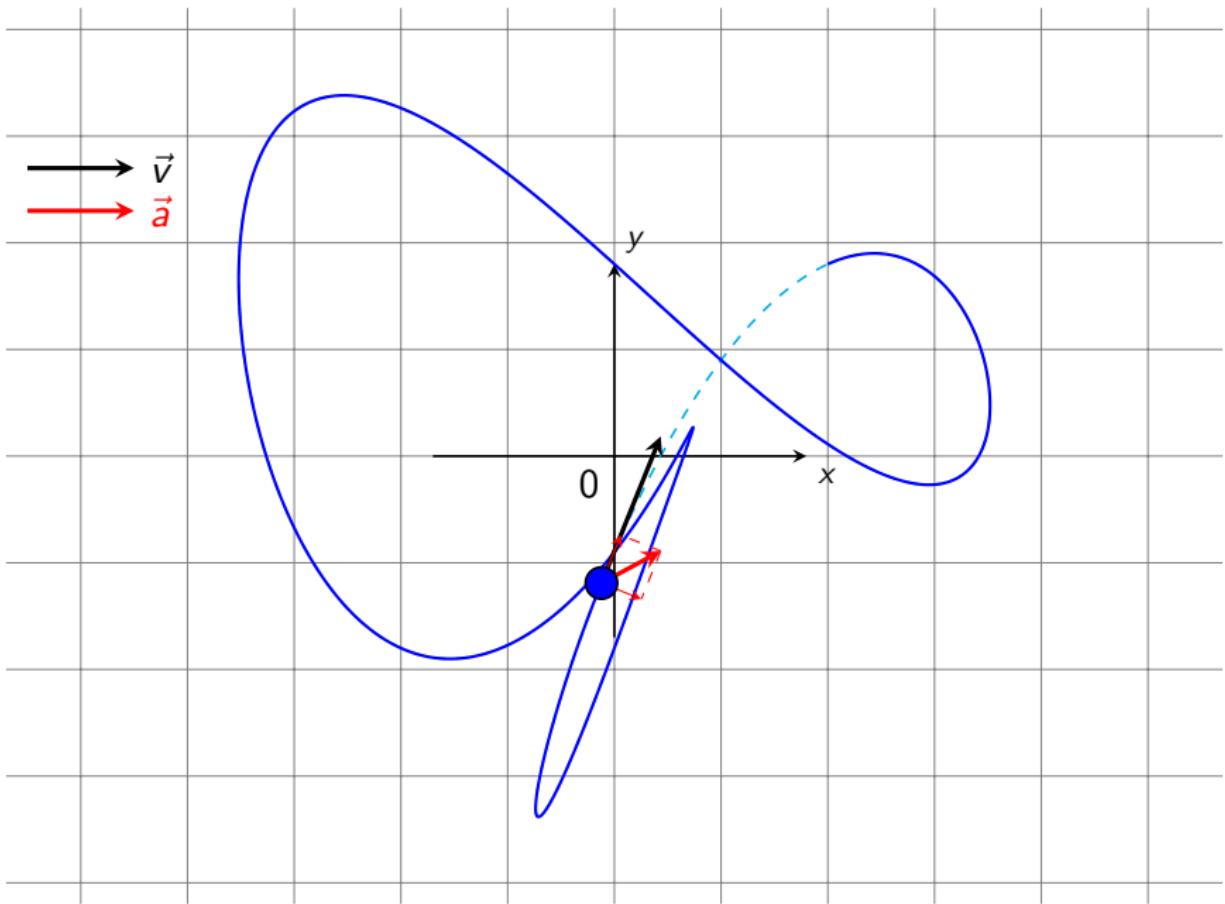


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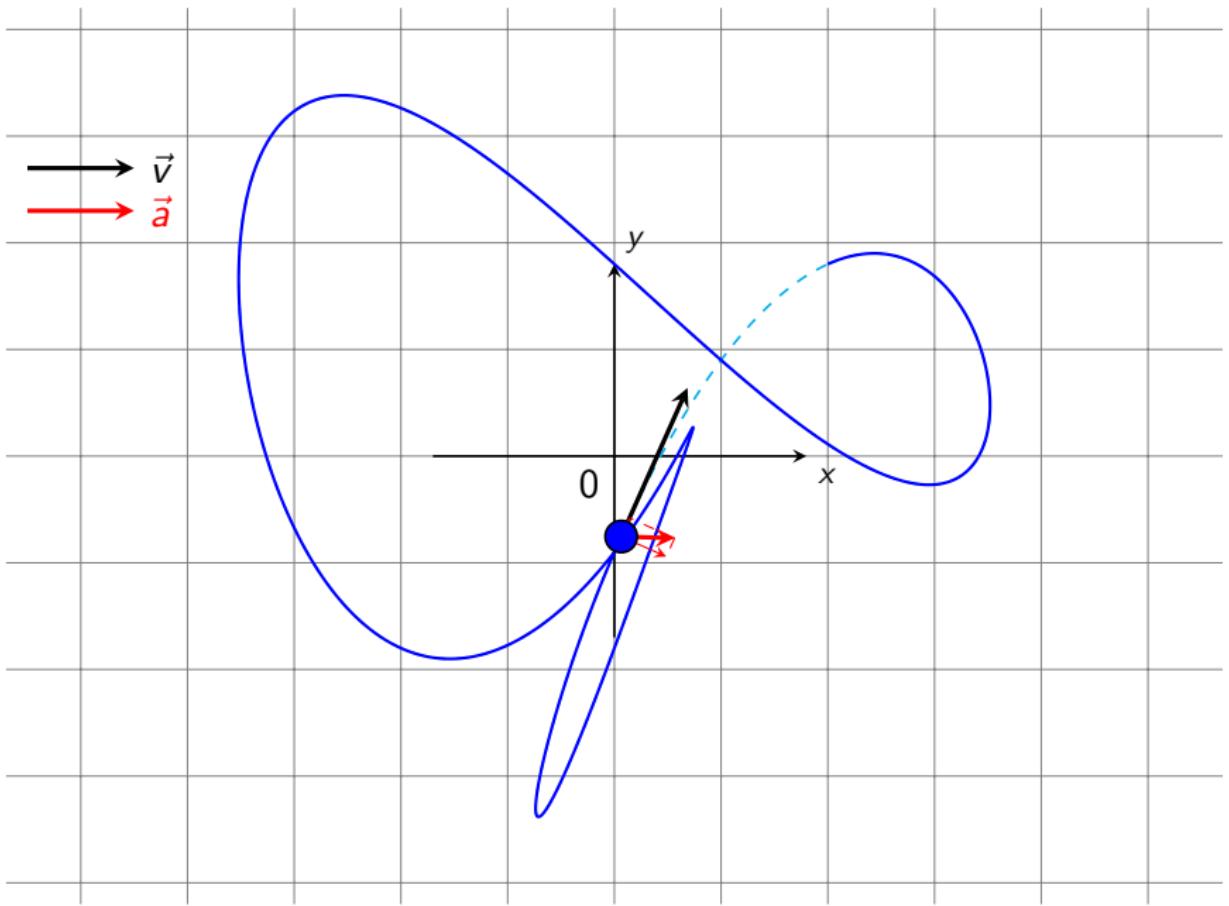


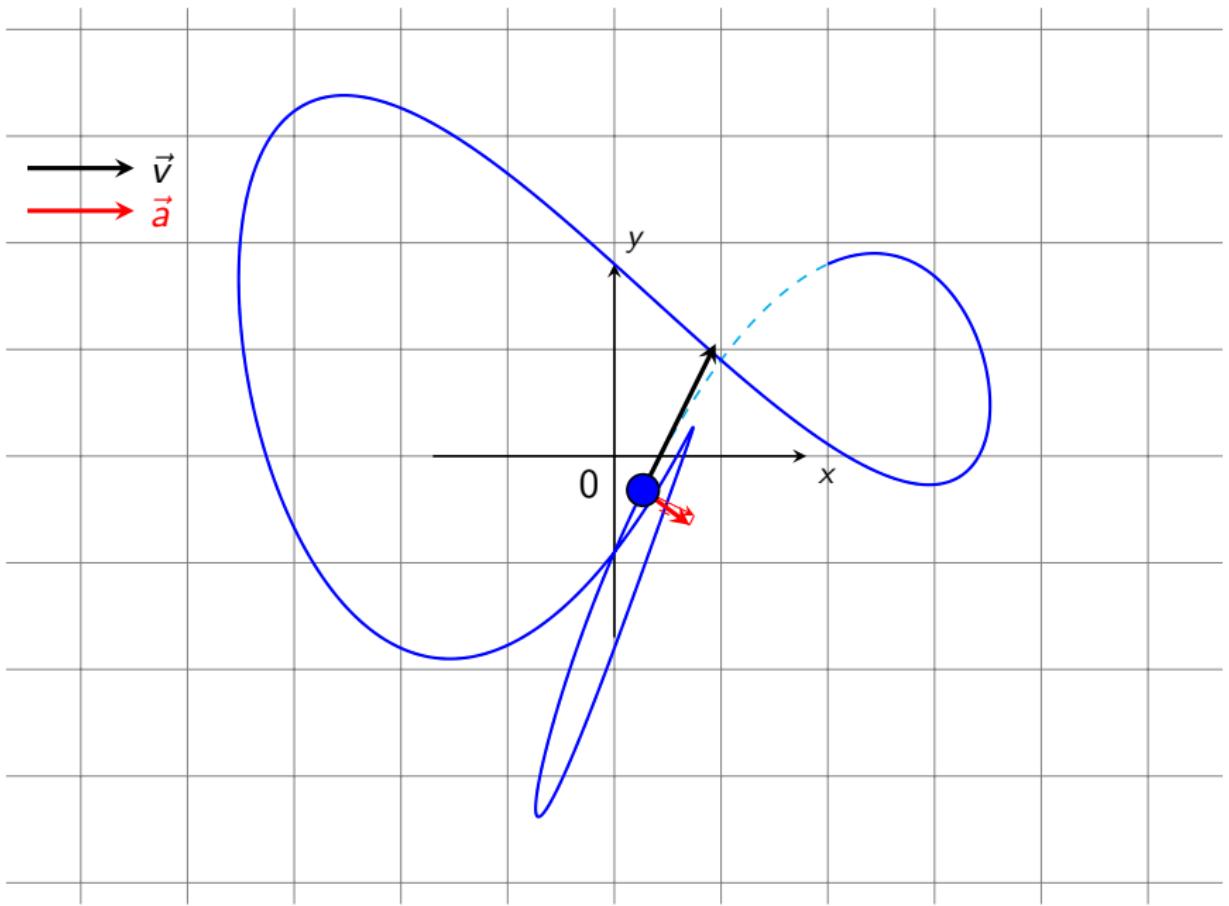


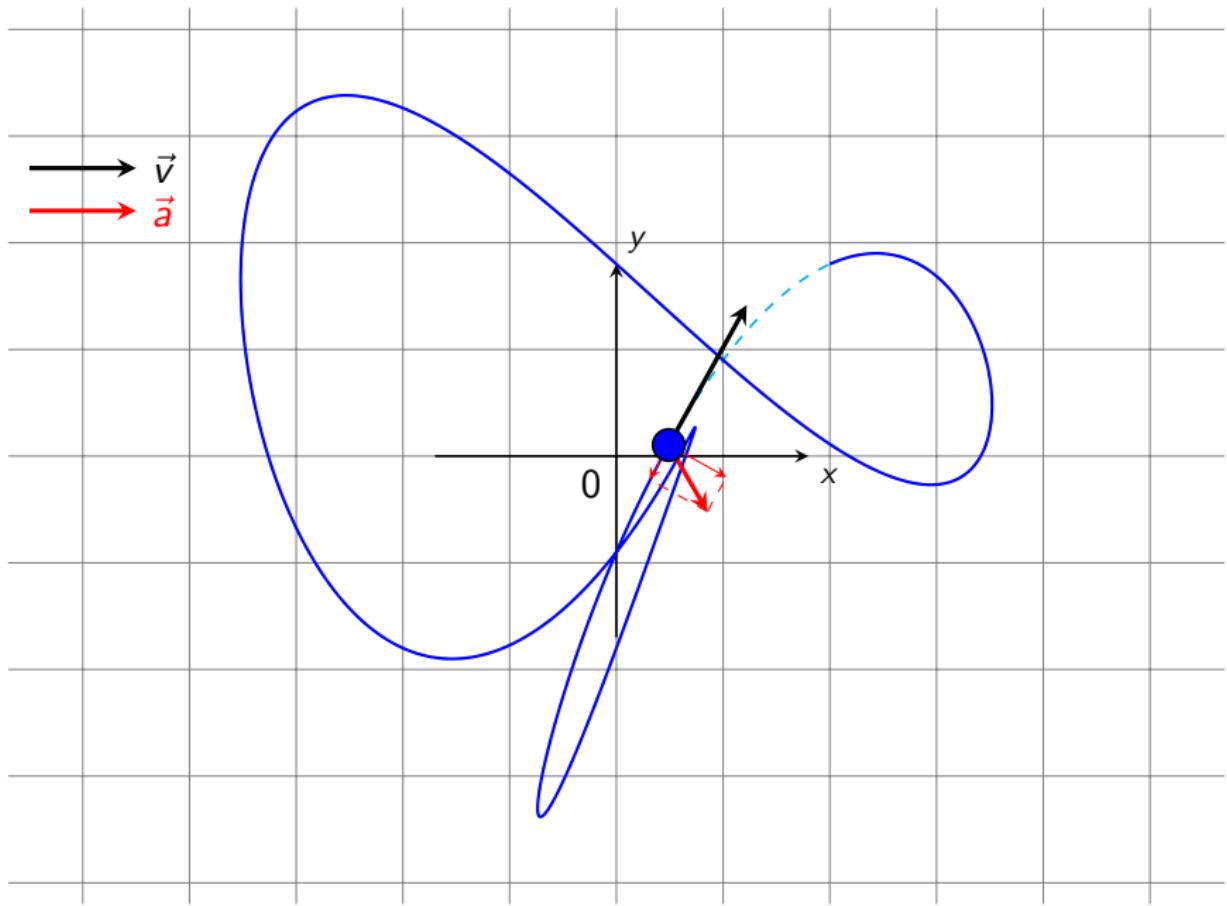


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