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- $[x, v]$
- $[x, v]^T$
- $[\theta, \omega]$

$$x' = v$$

$$v' = -x$$

- 
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- 
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o

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o

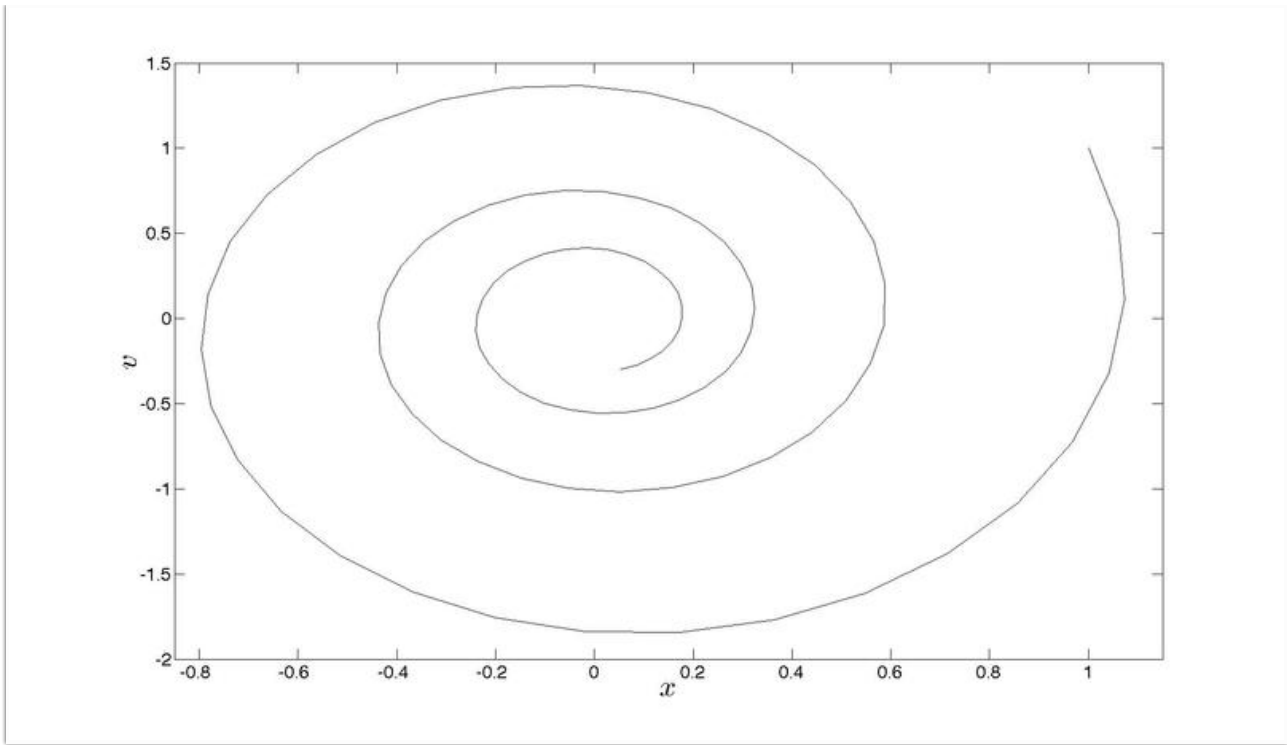
o

o

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○

○

○

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○

○

β

○  $x(t = 0.5) \approx -1.528, v(t = 0.5) \approx 0.625$

○  $x(t = 0.5) \approx -1.7209, v(t = 0.5) \approx -0.6198$

◦  $x(t = 0.5) \approx -1.7621, v(t = 0.5) \approx -0.6439$