

Ein Vektorfeld (mit rotem Ball)



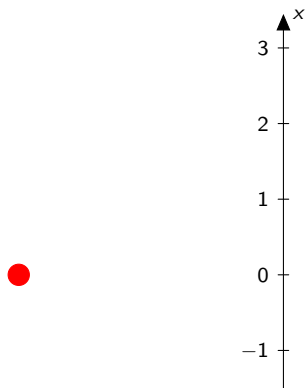
Soča Fluss - Slowenien - Vol.03

Stephan Mardo 2007

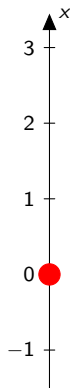
Kein Vektorfeld (jedenfalls ohne roten Ball)



Roter Ball und Flussbett

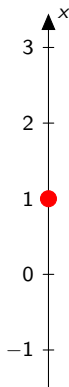


Die Differentialgleichung $\dot{x} = 0.5x$

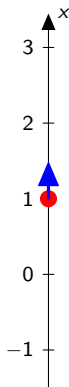


Die Geschwindigkeit und die Bewegungsrichtung des Balls hängen von seiner Position x ab.

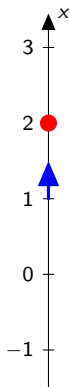
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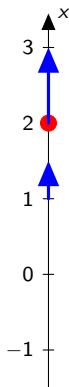
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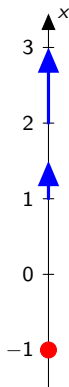
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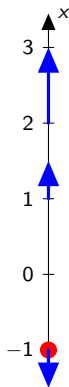
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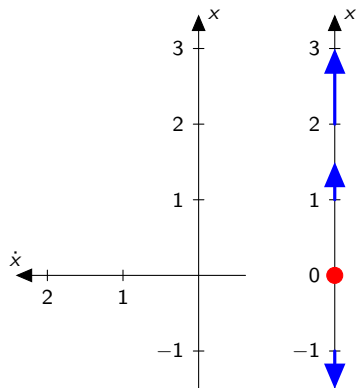
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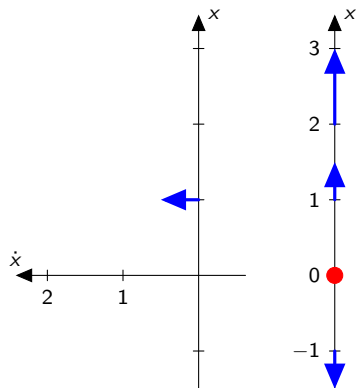
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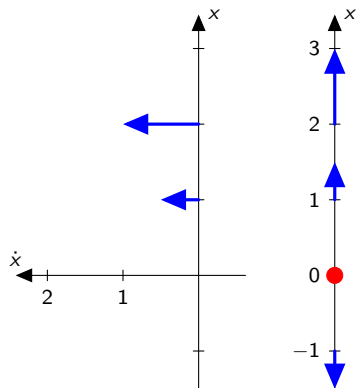
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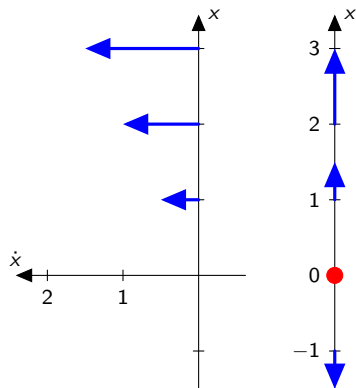
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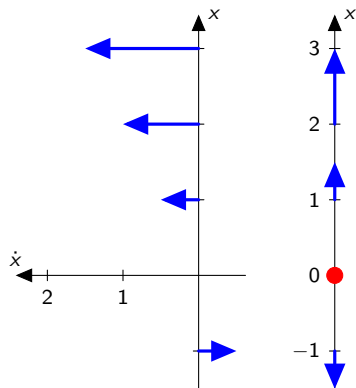
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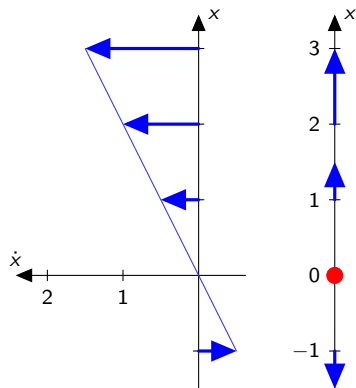
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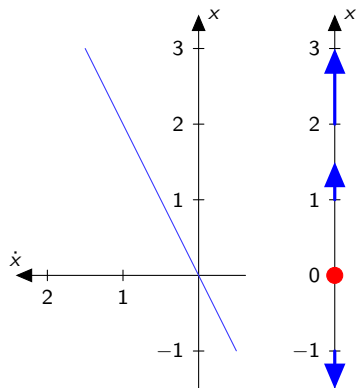
Die Differentialgleichung $\dot{x} = 0.5x$



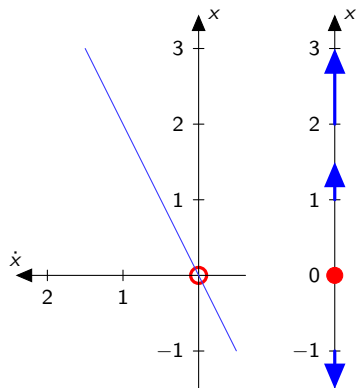
Die Differentialgleichung $\dot{x} = 0.5x$



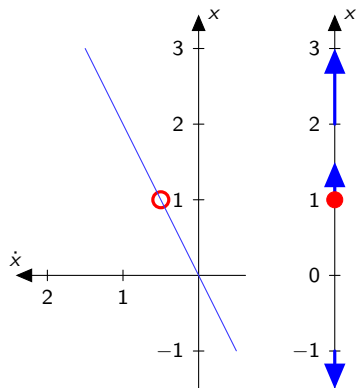
Die Differentialgleichung $\dot{x} = 0.5x$



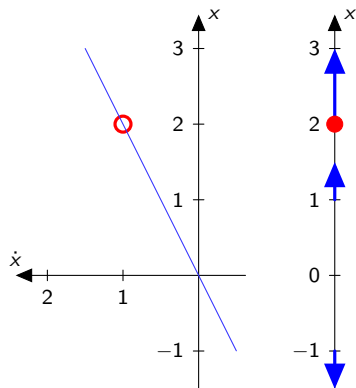
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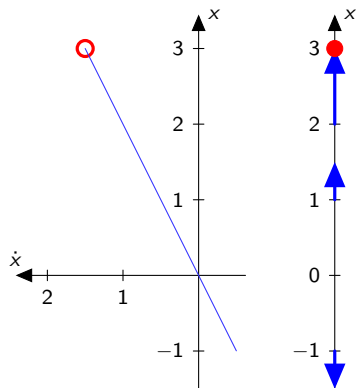
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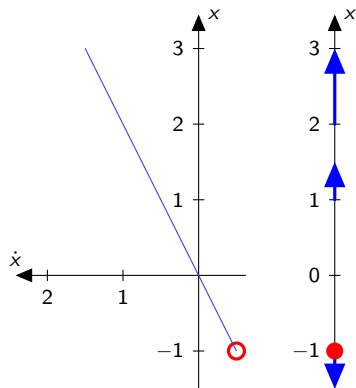
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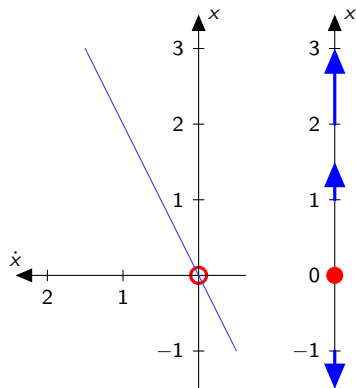
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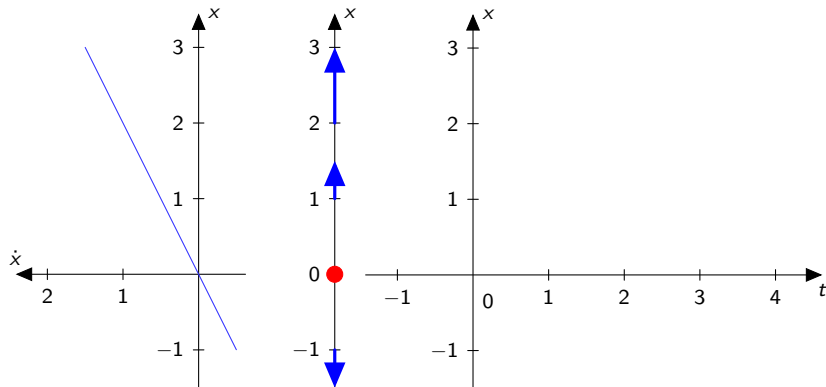
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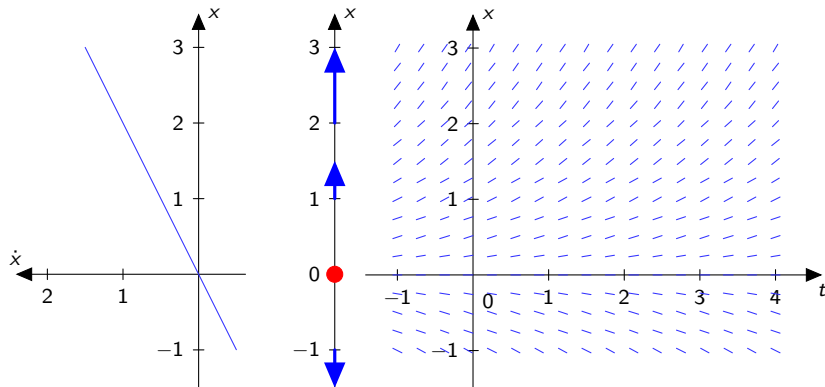
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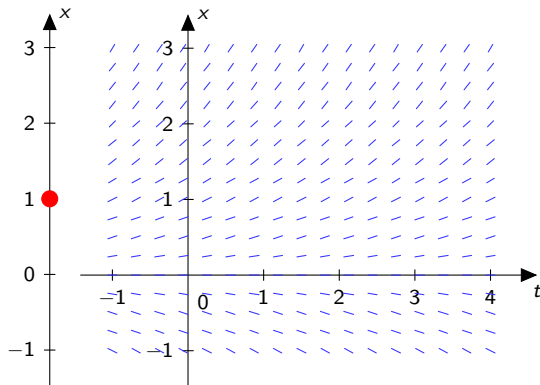
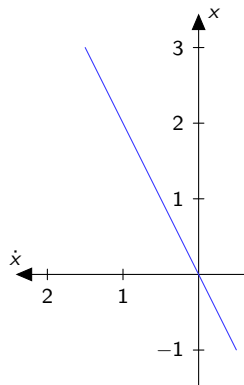
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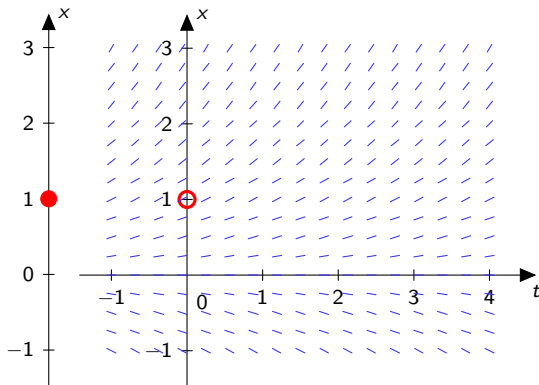
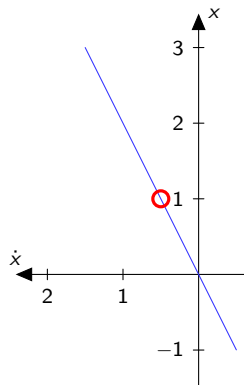
Die Tryptichon-Idee findet man schon bei V.I. Arnold



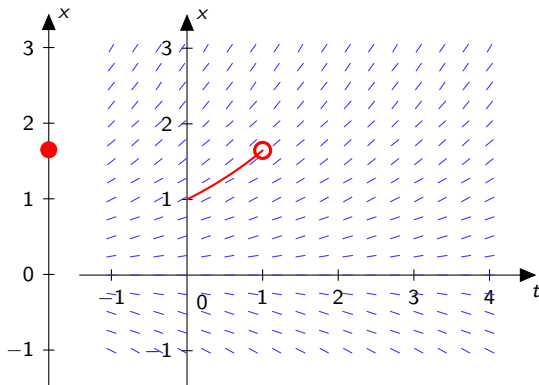
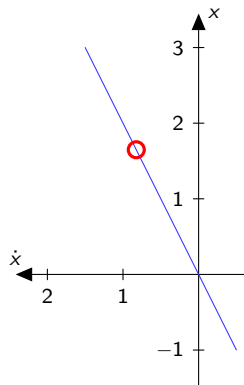
Das Anfangswertproblem $\dot{x} = 0.5x$ und $x(0) = 1$



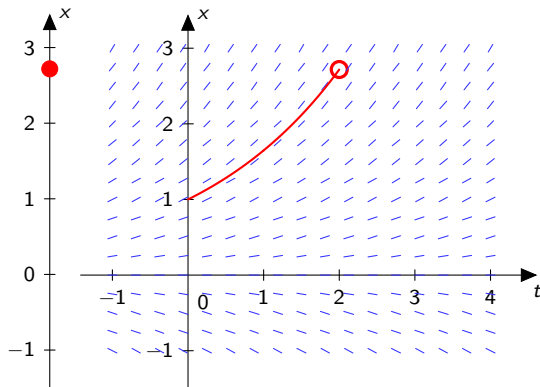
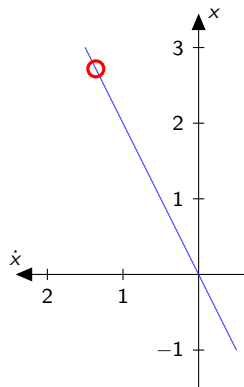
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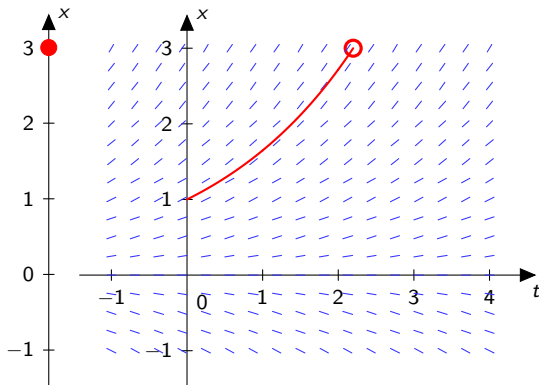
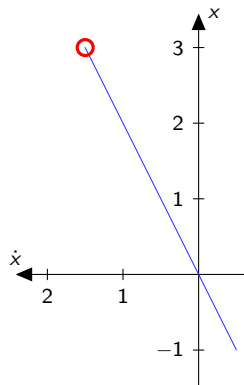
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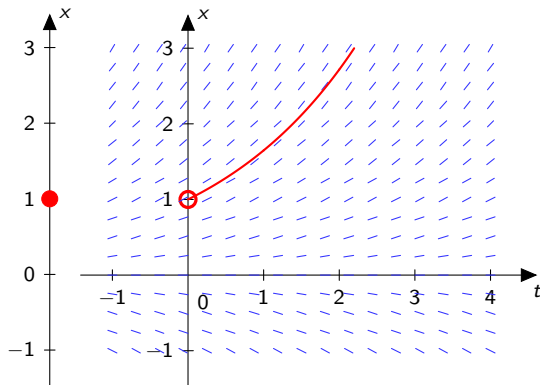
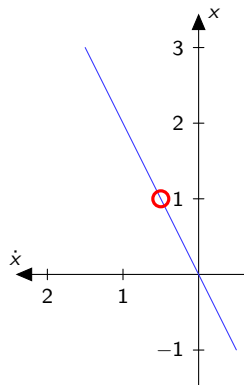
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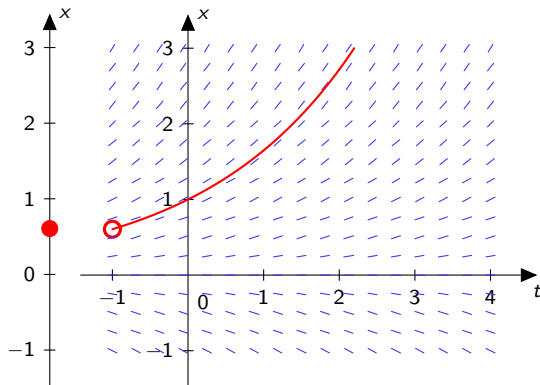
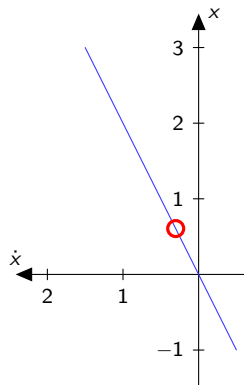
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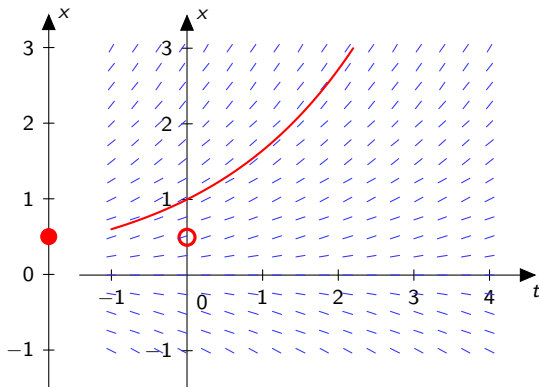
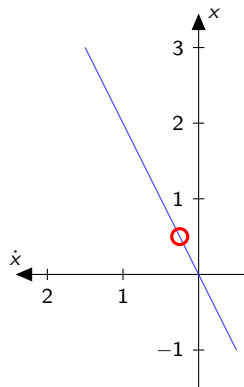
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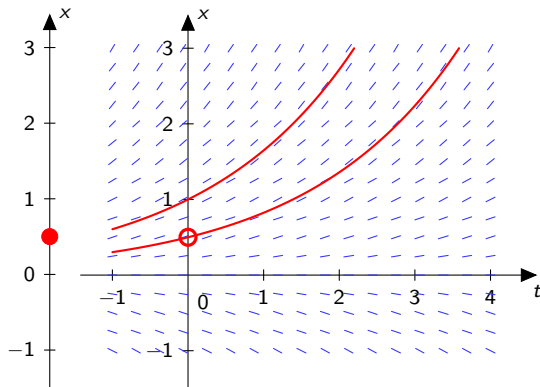
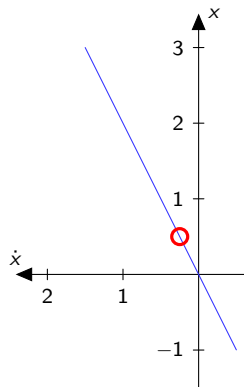
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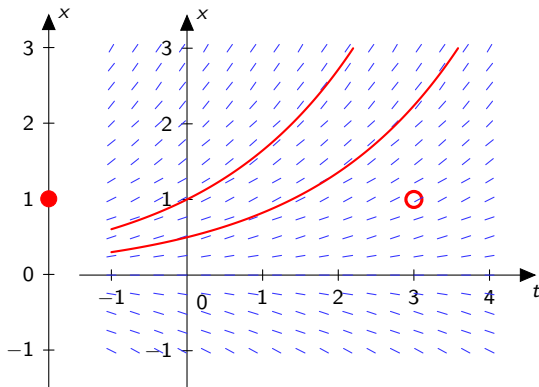
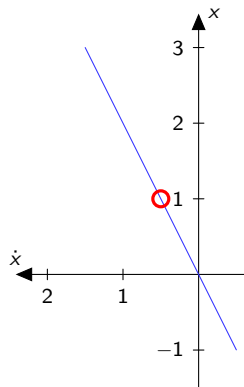
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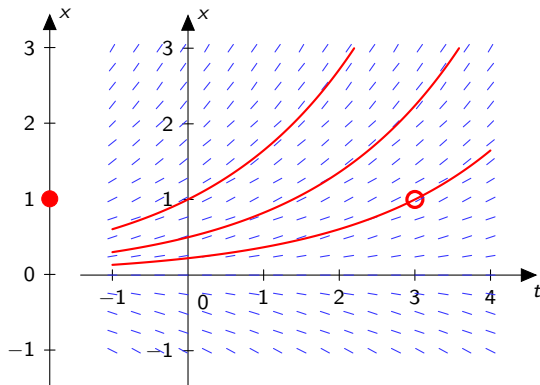
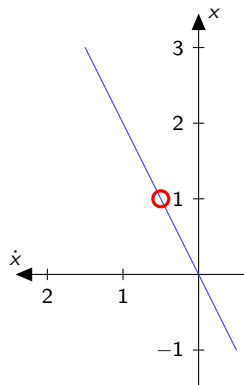
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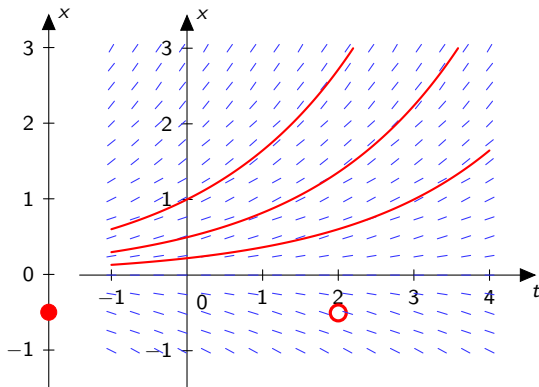
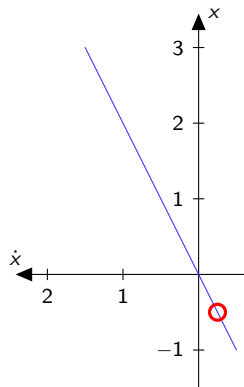
Das Anfangswertproblem $\dot{x} = 0.5x$ und $x(3) = 1$



Das Anfangswertproblem $\dot{x} = 0.5x$ und $x(3) = 1$



Das Anfangswertproblem $\dot{x} = 0.5x$ und $x(2) = -0.5$



Das Anfangswertproblem $\dot{x} = 0.5x$ und $x(2) = -0.5$

