

Solution method: Runge-Kutta

Step size: 0.05

Plot color: Red

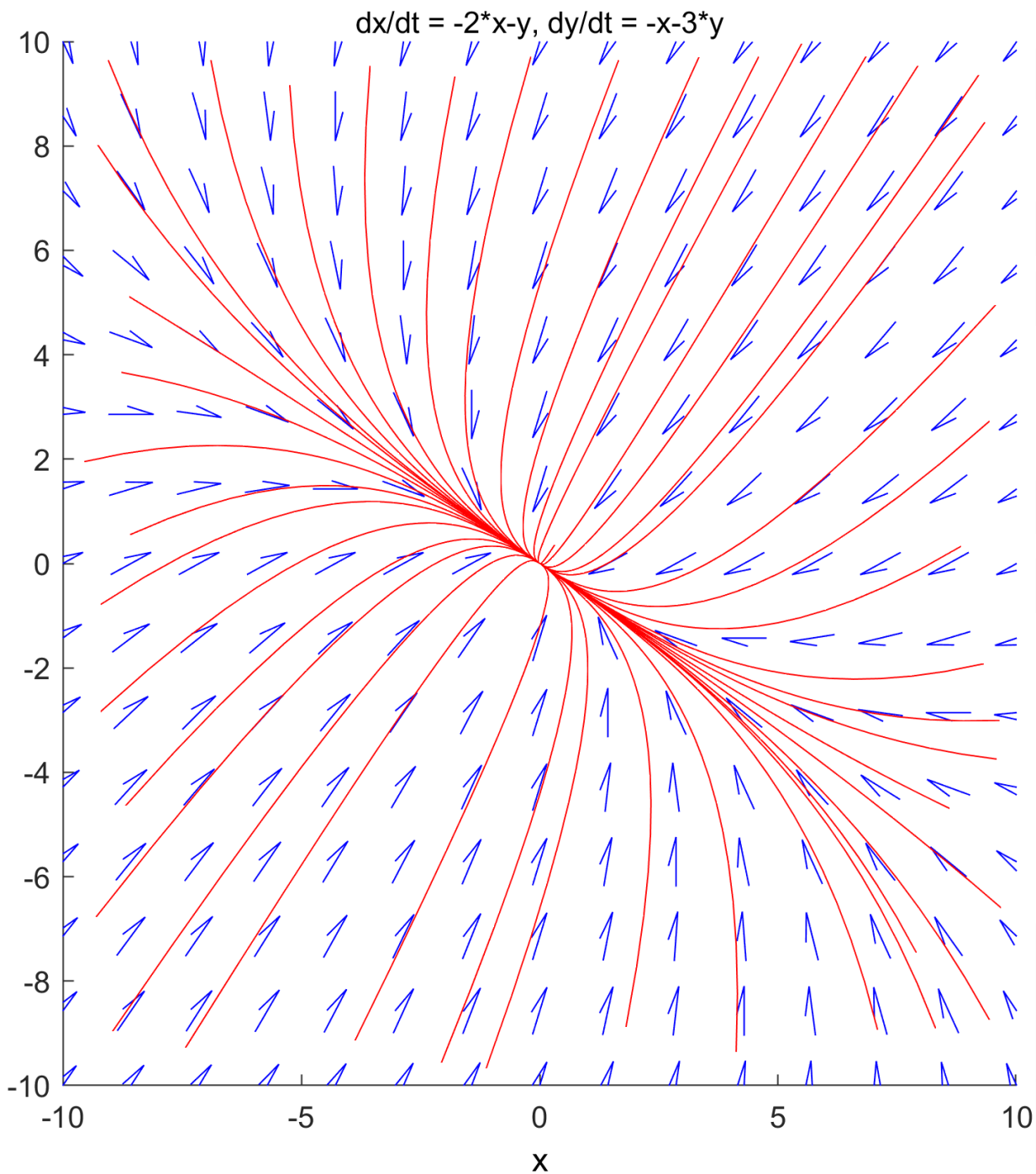
Initial conditions

$x_0 =$  -1.3417

$y_0 =$  0.89744

Plot solution

Solve equation



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Step size: 0.05

Plot color: Red

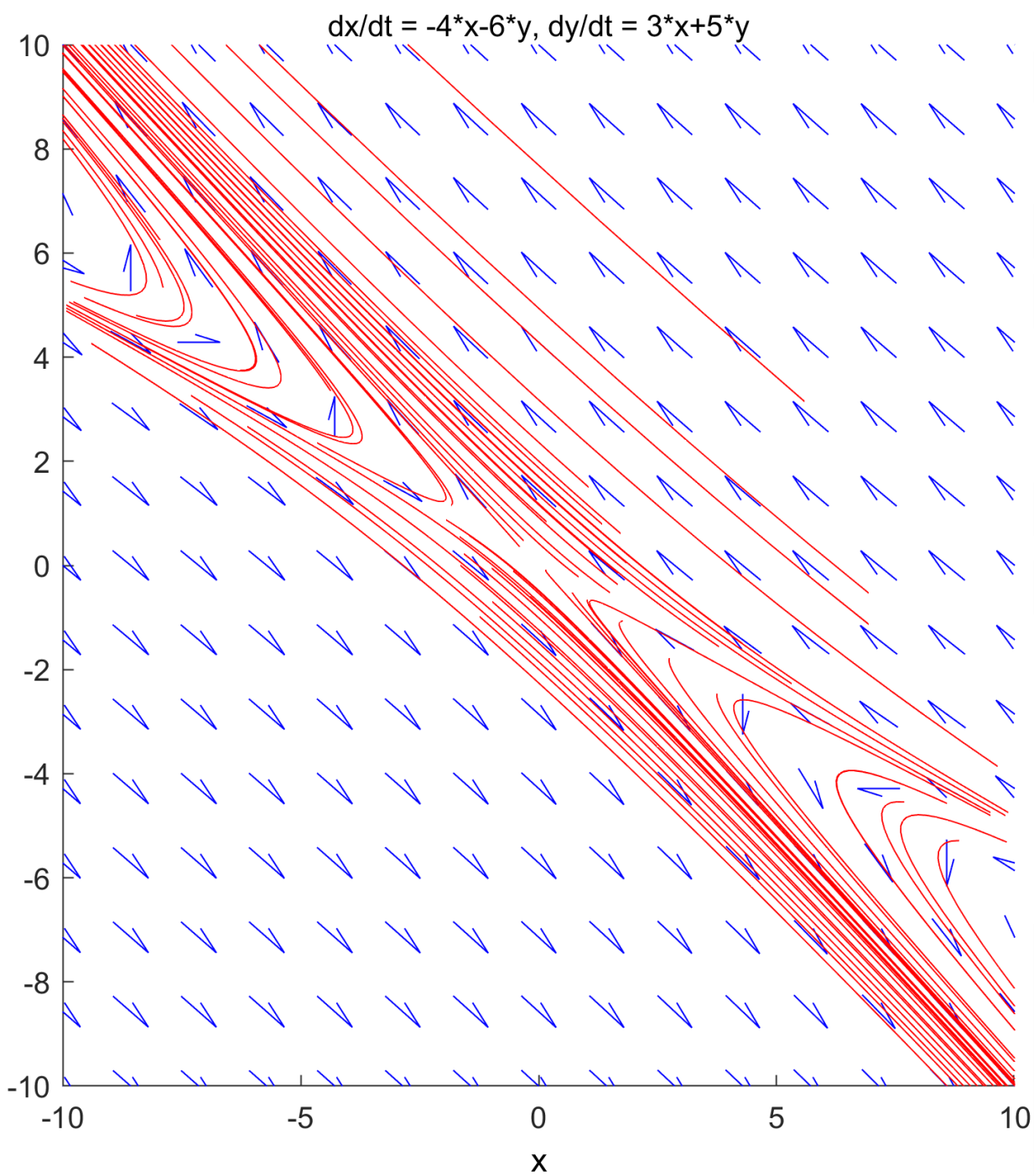
Initial conditions

$x_0 =$  1.6537

$y_0 =$  9.6439

Plot solution

Solve equation



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Step size: 0.05

Plot color: Red

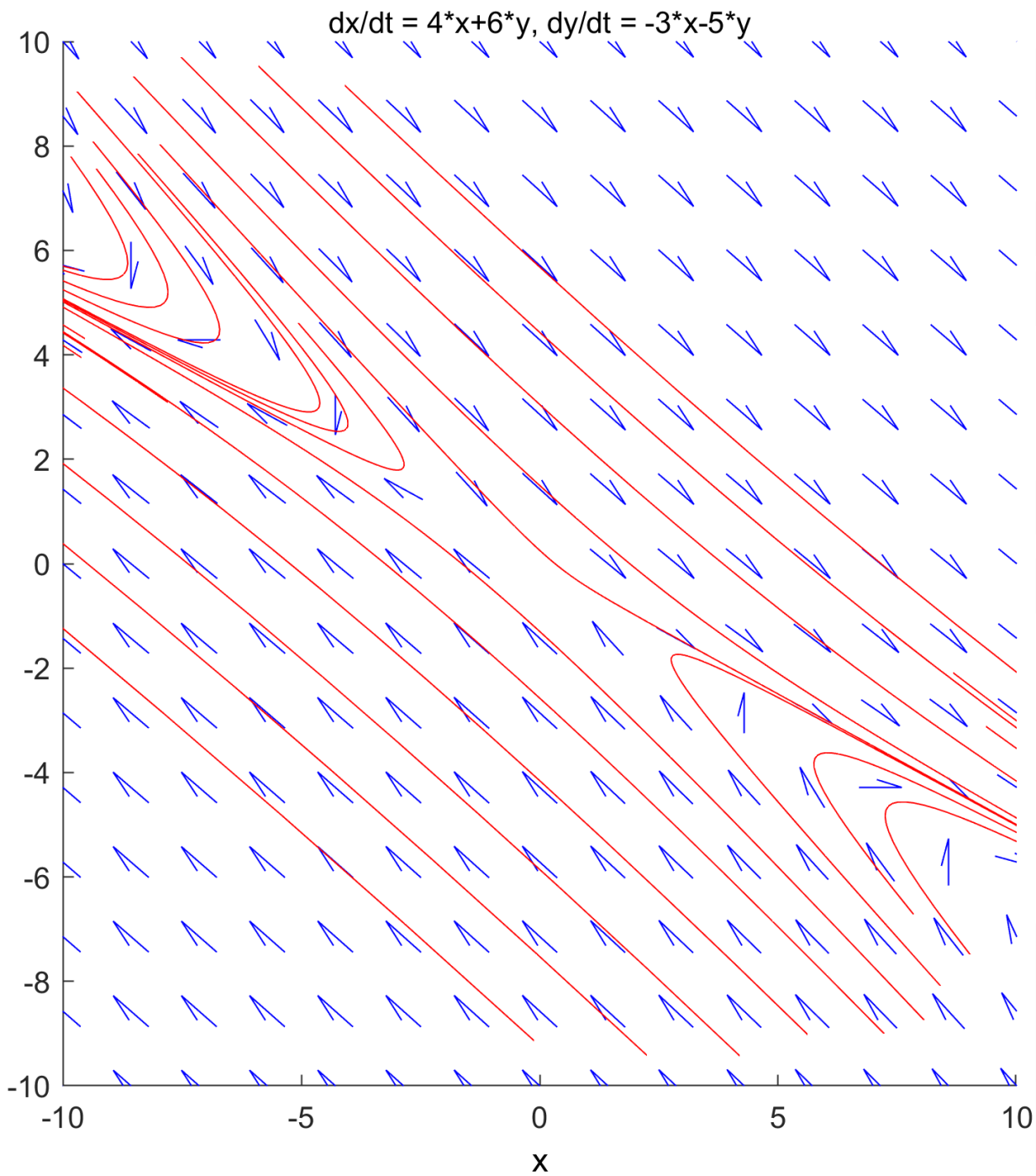
Initial conditions

x0 = -9.922

y0 = 4.886

Plot solution

Solve equation



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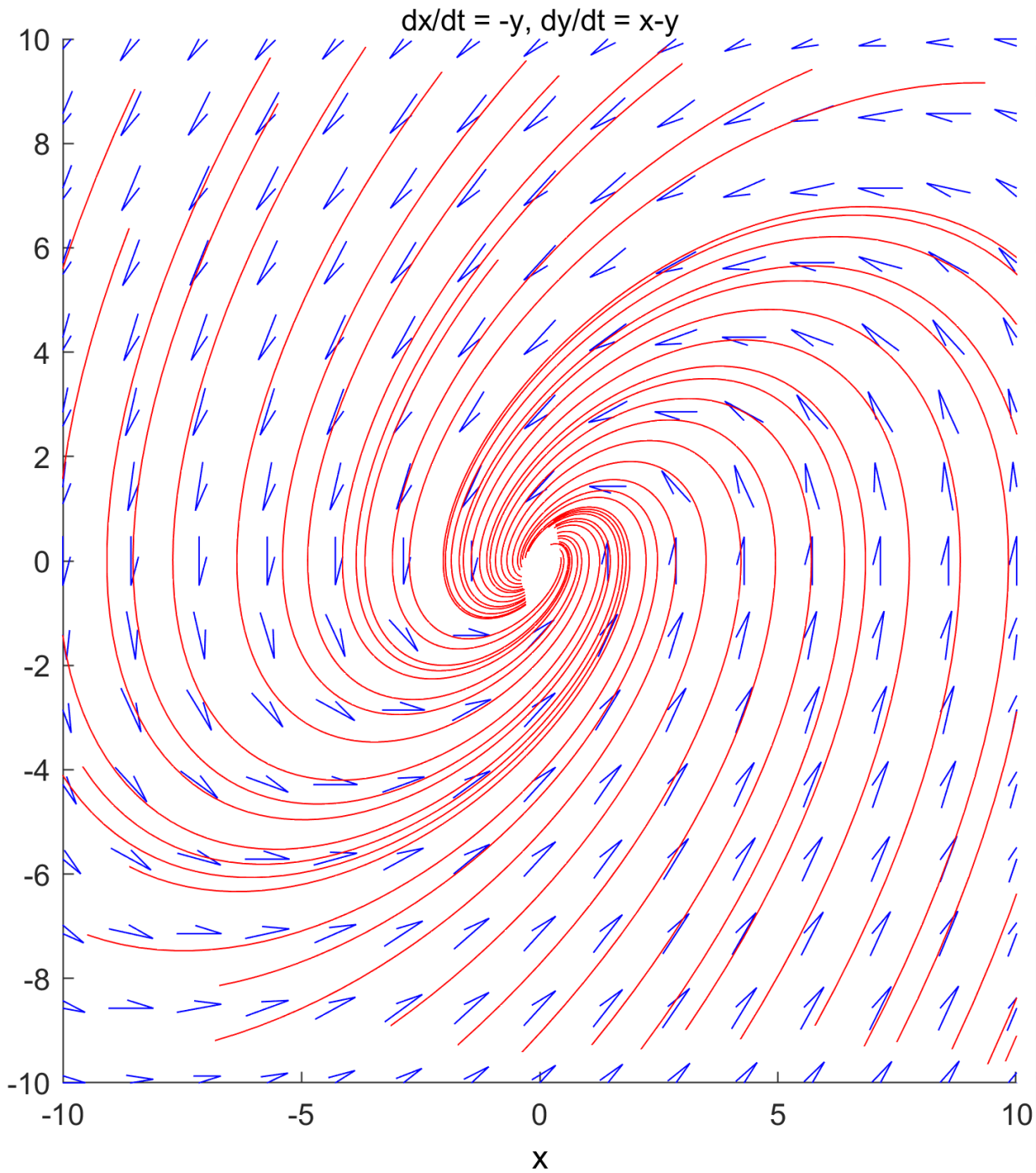
Initial conditions

$x_0 =$  -0.1248

$y_0 =$  -9.1311

Plot solution

Solve equation



Solution method:

Runge-Kutta

Step size:

0.05

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Red

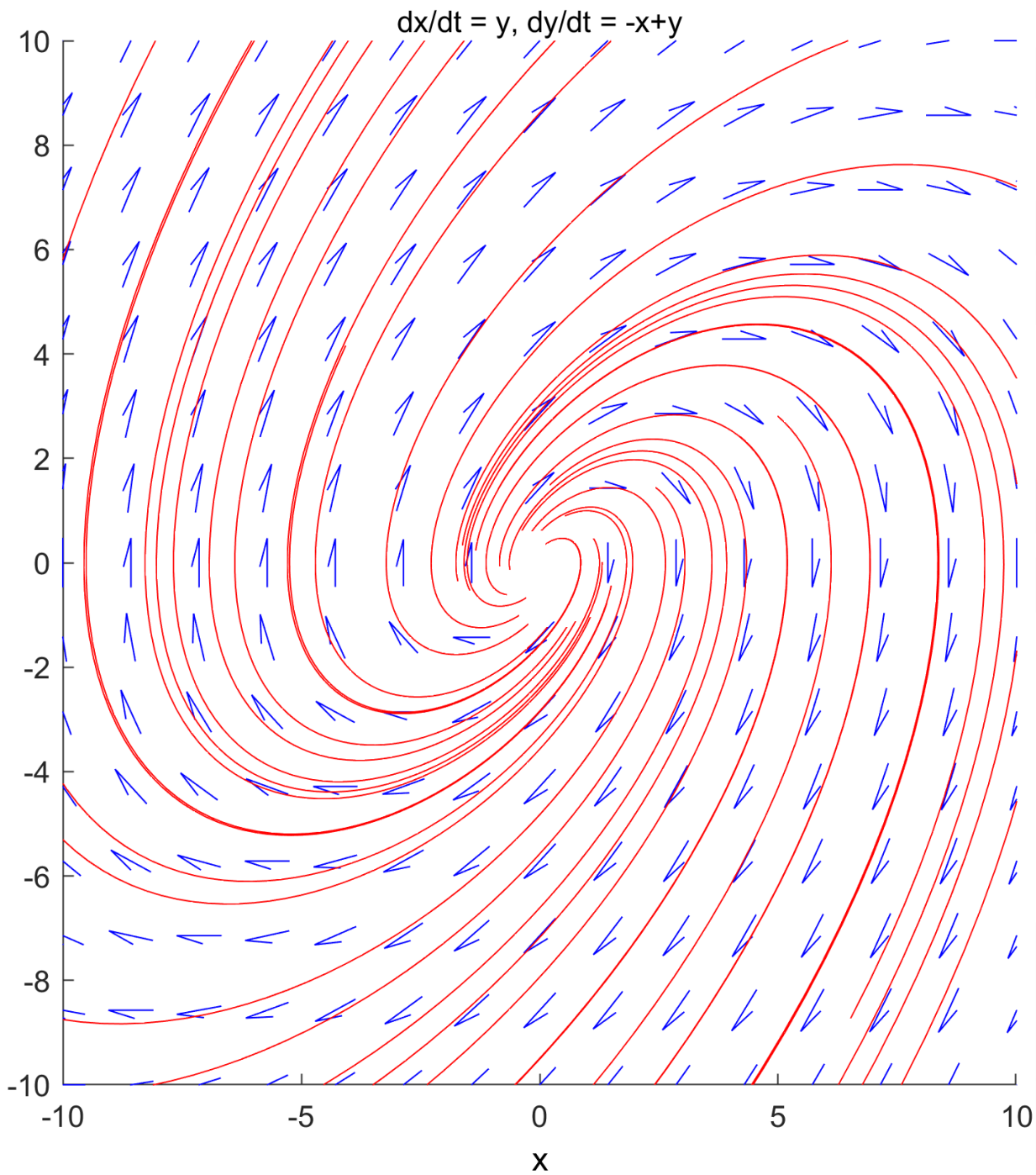
Initial conditions

$x_0 =$  2.9953

$y_0 =$  9.5299

Plot solution

Solve equation



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Plot color: Red

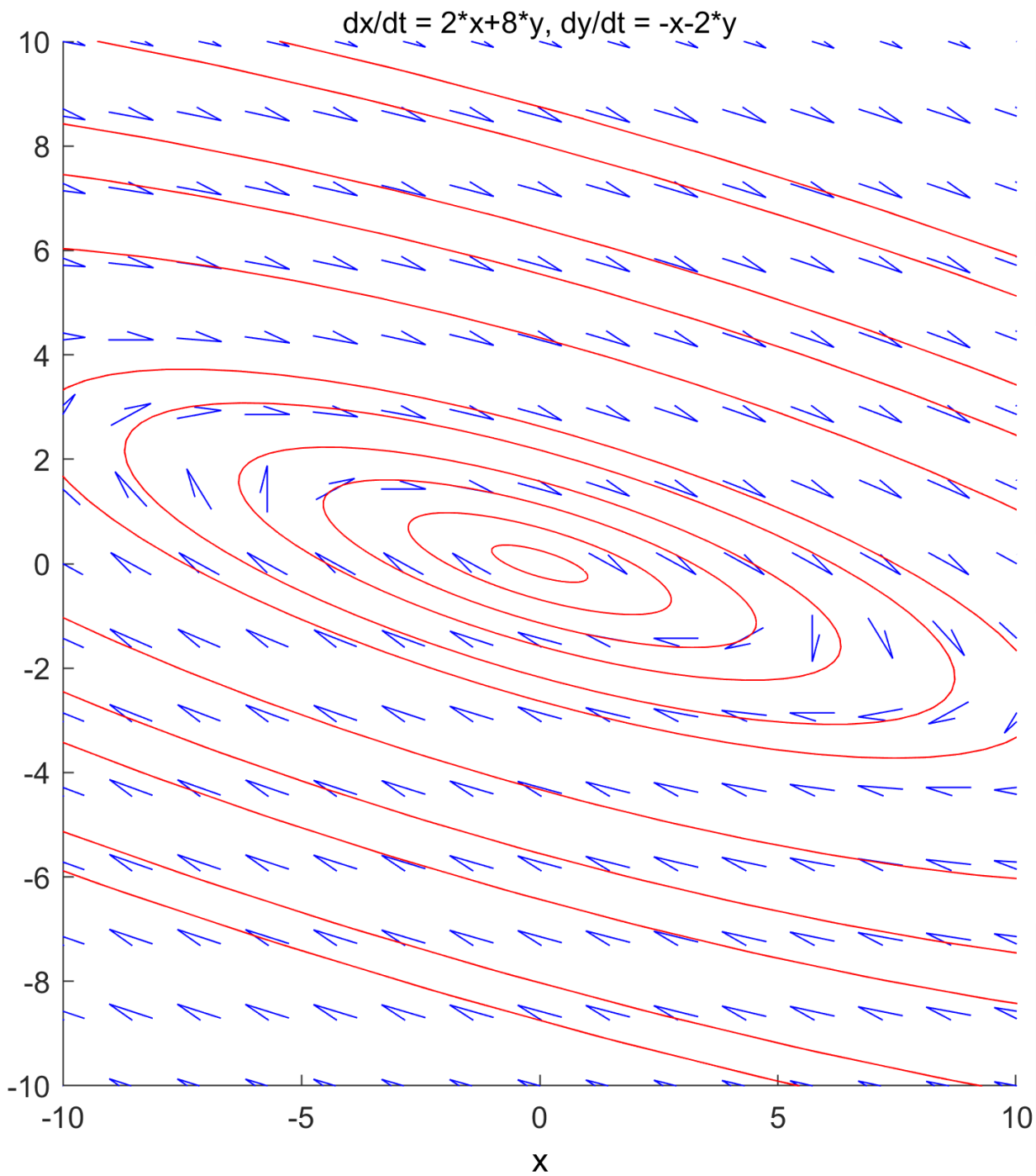
Initial conditions

$x_0 = -0.84243$

$y_0 = -0.071225$

Plot solution

Solve equation



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Initial conditions

$x_0 = -2.7457$

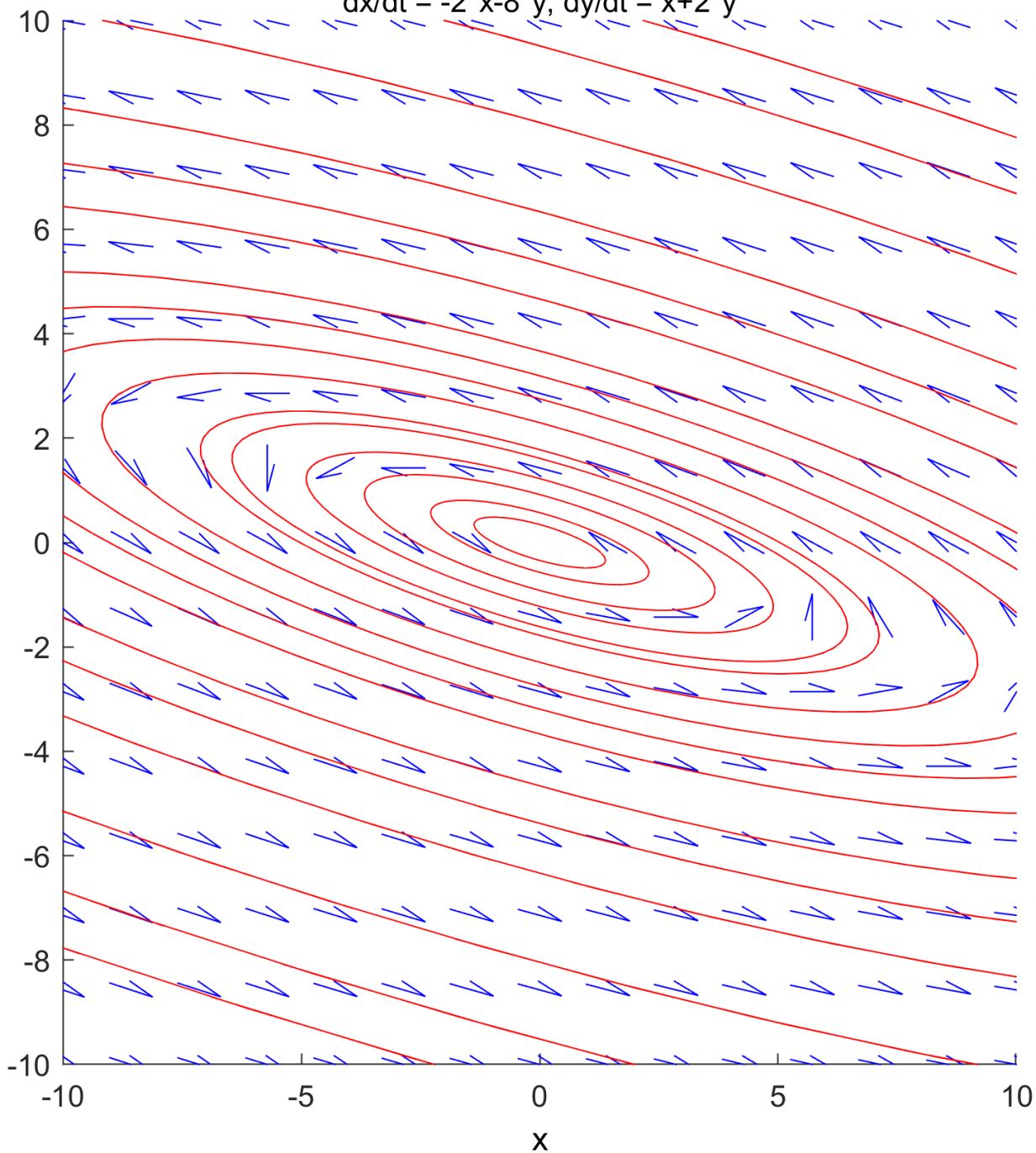
$y_0 = 0.75499$

Plot solution

Solve equation



$$\frac{dx}{dt} = -2x - 8y, \frac{dy}{dt} = x + 2y$$



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Initial conditions

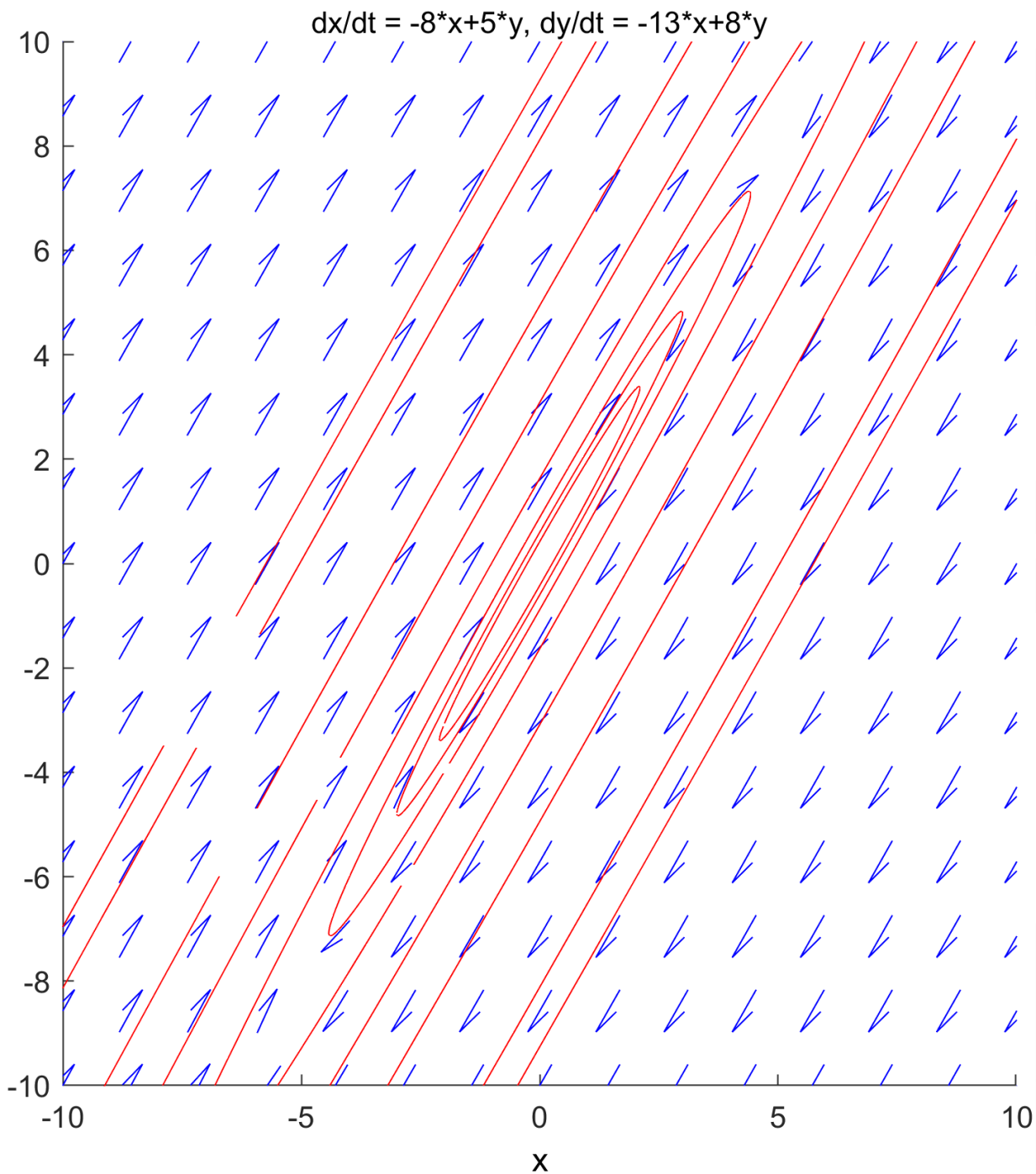
x0 = 6.6771

y0 = -3.8604

Plot solution

Solve equation





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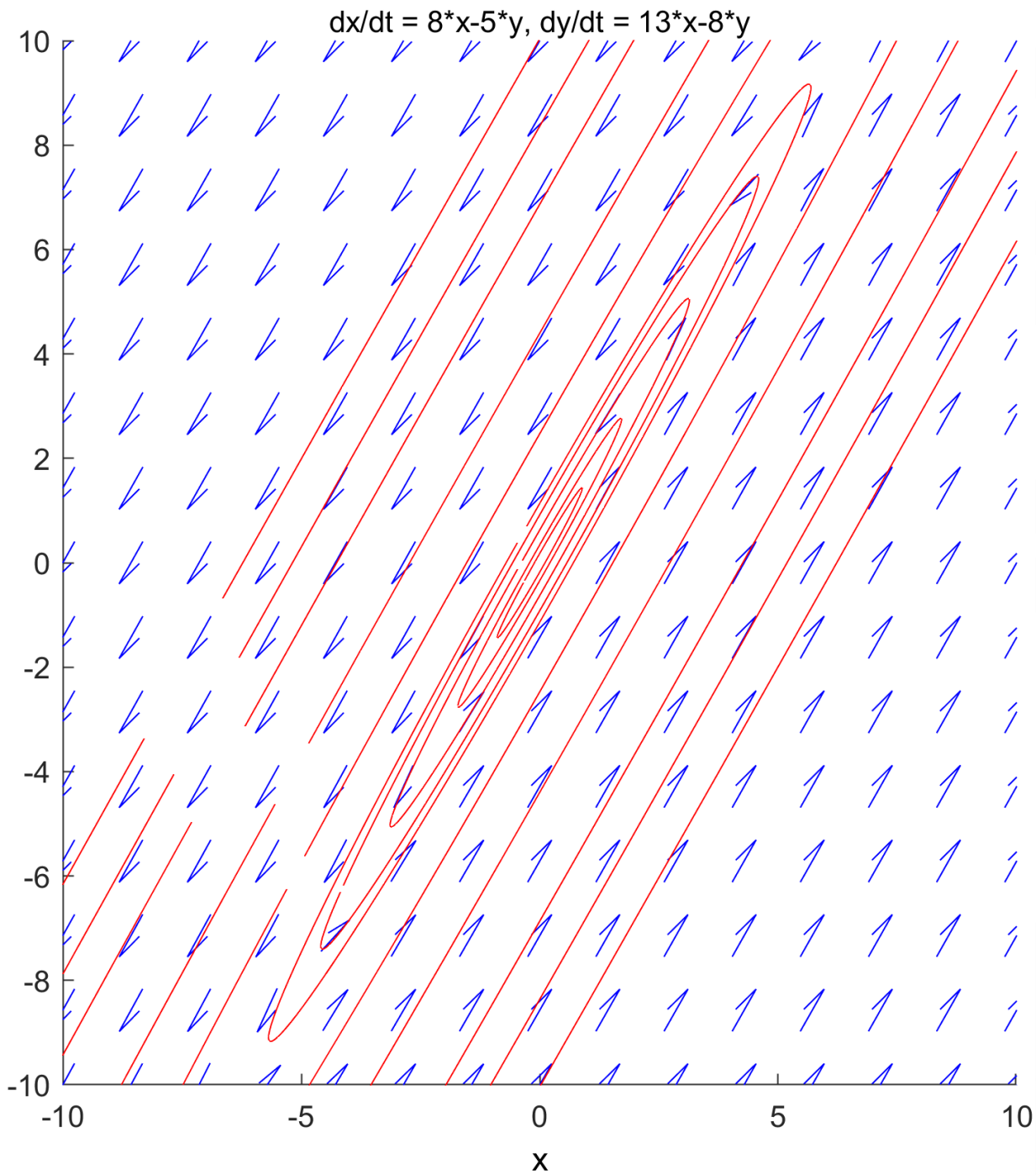
Initial conditions

$x_0 =$  -5.9282

$y_0 =$  -4.6866

Plot solution

Solve equation



Solution method: Runge-Kutta

Step size: 0.05

Plot color: Red

Initial conditions

$x_0 =$  -8.2995

$y_0 =$  -3.3761

Plot solution

Solve equation