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VECTOR FIELDS

Nonlinear autonomous systems can have complicated solutions, which can be represented with some loss of information by their trajectories. Usually they behave nearly linearly near equilibria.

Mathlet	Description	Comments
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VECTOR FIELDS mode + help

-4-2024

a

1.0

-4-2024

b

1.0

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c

1.0

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d

1.0

☒

$x' = ax + by, y' = cx + dy$

☐

Vector Field

Set point

Clear

Drag axes

x =

y =

0.010.1110

4.00

-15-10-5051015

t

0.0

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https://mathlets.org/mathlets/vector-fields/

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