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4. Exploration

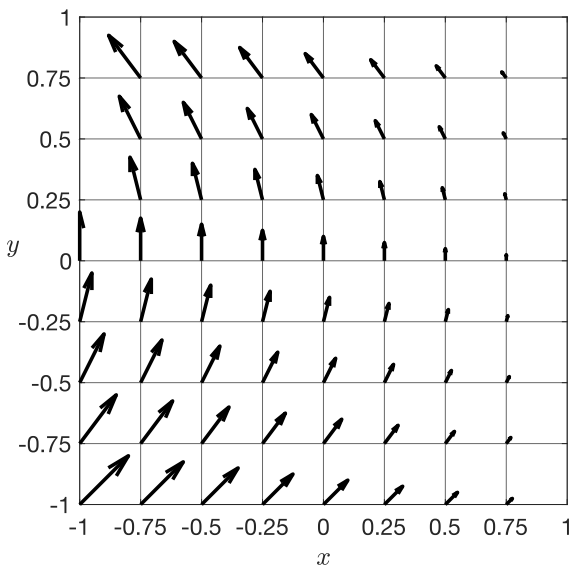
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Discuss

Food for thought:

Here is a picture of ∇f for some function f . Try sketching the level curves of f .



- 1. Give feedback on another learner's sketch, or
- 2. Post your solution to receive feedback!

4. Exploration

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Topic: Unit 2: Geometry of Derivatives / 4. Exploration

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<div>My solution</div>	2
<div>vector field of differential equations This exercise reminds of the vector fields on differential equations, with the difference that the 'level curves' there are tangent to the...</div>	2
<div>What about this function... Community TA</div>	25
<div>a possible solution</div>	4
<div>My proposed solution</div>	2
<div>level curves</div>	2
<div>Sketch</div>	3
<div>Solution seems to me it is look like a part of round mountan. Closer to peak near (0,0) and some kind of valley after x=0.25</div>	2
<div>It's a spiral upper is higher than lower; left is more steep than right. If you climb it counter clockwise, you are going uphill. And if you choose pat...</div>	1

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Next Up: Lecture 7: Directional derivatives

25 min + 11 activities

Calculator

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