

Isoclines

Exercise. What are the isoclines for $y' = y$? Make a large diagram, and draw the isoclines for $m = -2, -1, 0, 1, 2$; use these to sketch the direction field. Draw some integral curves; how many different types of behaviors do there seem to be?

MIT OpenCourseWare
<http://ocw.mit.edu>

18.03SC Differential Equations
Fall 2011

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.