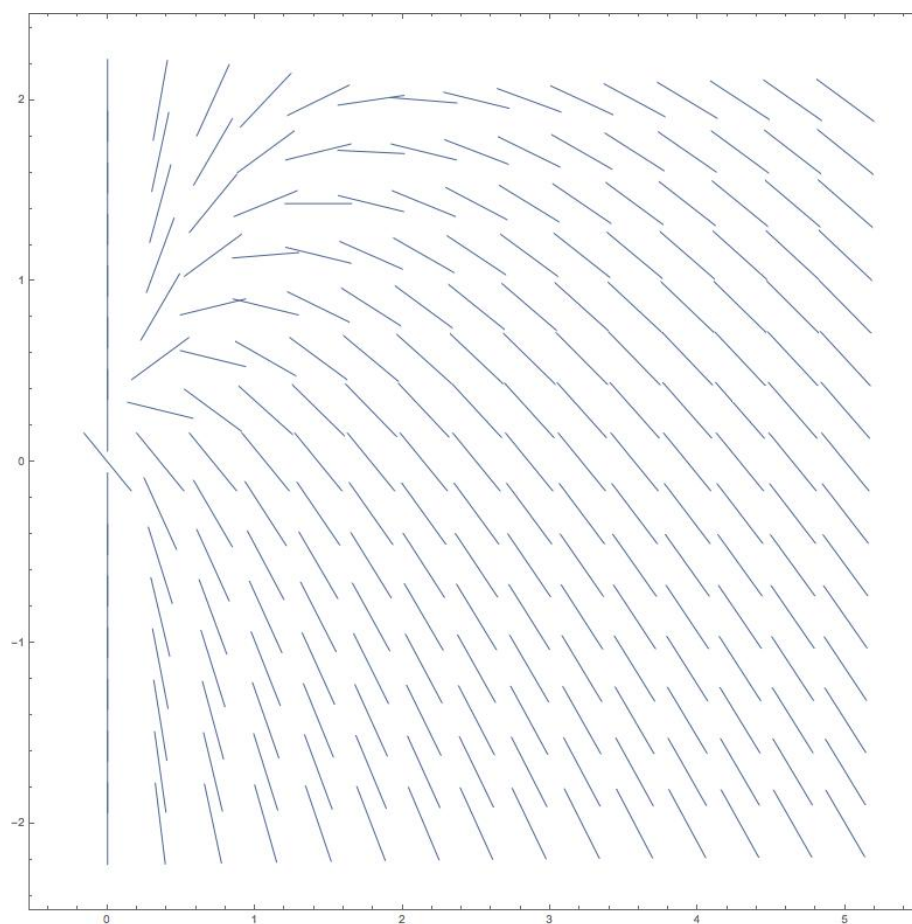


MATH 45, LECTURE 19

PROF. MICHAEL VANVALKENBURGH

The slope field for the D.E.

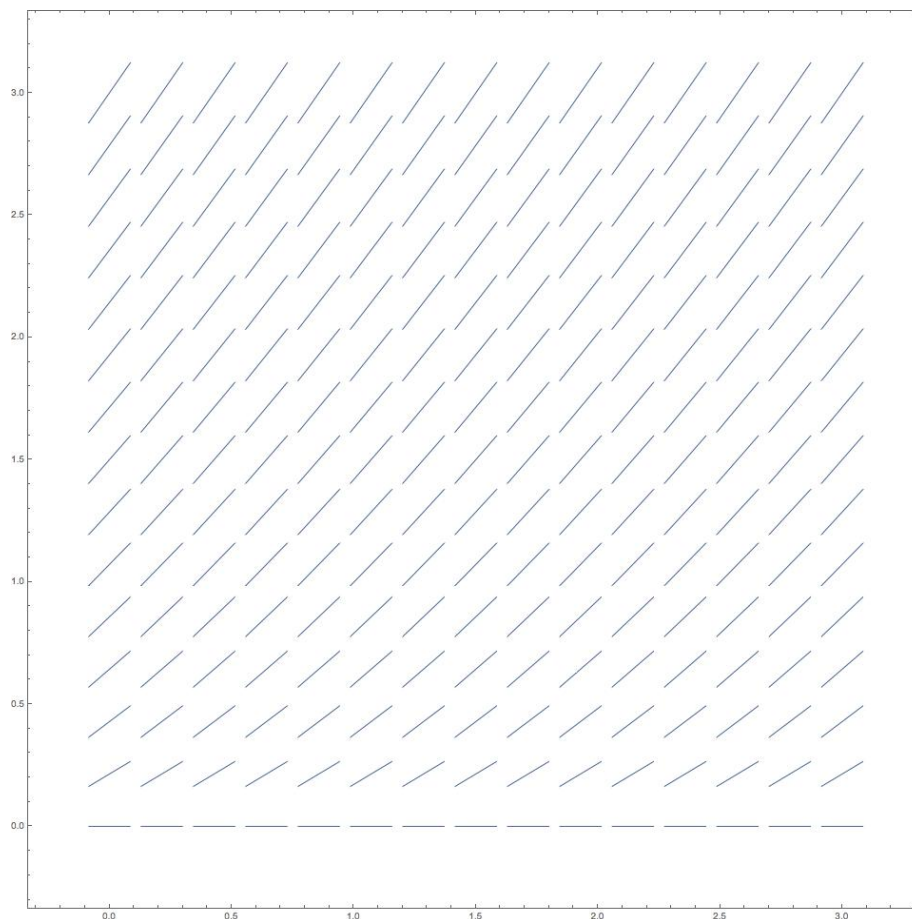
$$ty'(t) - y(t) + t = 0 :$$



There is no solution satisfying $y(0) = 2$.

The slope field for the D.E.

$$y'(t) = y(t)^{1/3} :$$



There are infinitely many solutions satisfying $y(0) = 0$.