

Differential Equations and slope fields:

Application Weather: <https://www.windfinder.com/#9/35.9280/-78.7830/sfc>

Helping your visualize: <https://www.desmos.com/calculator/p7vd3cdmei>

One of the most common questions/instructions is to sketch a slope field for the given differential equation at the 9 points indicated.

Well our differential equation is going to be something like:  $\frac{dy}{dx} = x + y$ . Note that we could solve for a general case or case given certain initial conditions, more on this later.

**Optional Table:**

X	Y	$\frac{dy}{dx}$
0	0	

