

# 7.1. Slope Fields

10F1

Example. Graph the slope field for  $\frac{dy}{dx} = x+y$  on  $x \in [0, 4]$  with  $\Delta x = 0.5$  and  $y \in [-2, 6]$  for  $\Delta y = 1$ .

SOLUTION:

	0	0.5	1	1.5	2	2.5	3	3.5	4	x
6	6	6.5	7	7.5	8	8.5	9	9.5	10	
5	5	5.5	6	6.5	7	7.5	8	8.5	9	
4	4	4.5	5	5.5	6	6.5	7	7.5	8	
3	3	3.5	4	4.5	5	5.5	6	6.5	7	
2	2	2.5	3	3.5	4	4.5	5	5.5	6	
1	1	1.5	2	2.5	3	3.5	4	4.5	5	
0	0	0.5	1	1.5	2	2.5	3	3.5	4	
-1	-1	-0.5	0	0.5	1	1.5	2	2.5	3	
-2	-2	-1.5	-1	-0.5	0	0.5	1	1.5	2	

y

