

MAP4CI : Graphical Models

Unit 5 Lesson 4

Quadratic Model : Roller Coaster

Distance (m)	Height (m)	1st Differences	2nd Differences
0	21		
5	14		
10	9		
15	6		
20	5		
25	6		
30	9		
35	14		
40	21		

1. Calculate 1st and 2nd differences.
2. Is this relationship quadratic, how can you tell?
3. Plot the data on the given graph.
4. Where is the roller coaster closest to the ground?

