

CFD 0 - Exercise 01

Introduction to Python

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5 y = x**3 # ---> 'discrete' function  $y=f(x)=x^3$ 
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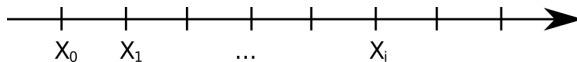
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Array

Module

Method



Array elements: $x[0]$, $x[1]$, ..., $x[i]$

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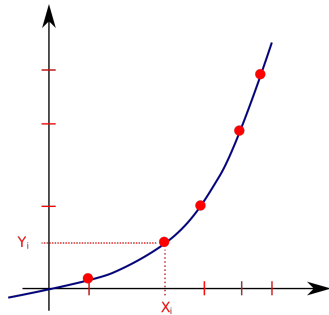
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Array length = 20

Power = 3

The vector y represents the *discrete* form of the function $y = f(x) = x^3$



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6
7 plt.plot(x, y, 'ko-', mfc='r', label=r'$x^3$')
8 plt.legend()
9
10 plt.show()
11
```