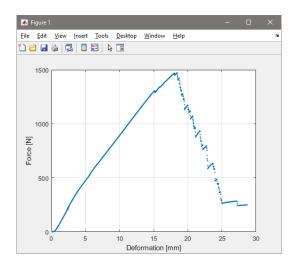
- Write a script to draw a force-deformation curve of the electric fence that is on the first sheet (sample1) of the file fences.xlsx
 - use and study the command xlsread to retrieve data from the file
 - insert axis labels

```
1 clear,clc,close all
2
3 data = xlsread('fences.xlsx','sample1','A:B');
4 plot(data(:,2),data(:,1),'.')
5 xlabel('Deformation [mm]')
6 ylabel('Force [N]')
7 grid on
```

Script m-files



Solution

② Create a function (distan.m) to calculate the distance of two points in the plane [x, y]

```
function v=distan(A,B)
% distan - Euclidean distance of two points
% A, B - two points with coordinates x, y
v=sqrt((B(2)-A(2))^2+(B(1)-A(1))^2);
```