

### Programme n°1 :

```
1 import matplotlib.pyplot as plt
2 x=[0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0]
3 y=[2.00,1.95,1.89,1.80,1.69,1.56,1.40,1.22,1.01,0.77,0.52]
4 plt.cla()
5 plt.scatter(x,y,marker='+')
6 plt.title('Positions successives occupées par le système')
7 plt.xlabel('abscisse x en (m)')
8 plt.ylabel('altitude y en (m)')
9 plt.show()
```

### Programme n°2 :

```
1 import matplotlib.pyplot as plt
2 x=[0.40,0.55,0.70,0.84,0.97,1.11,1.24,1.38,1.52,1.67]
3 y=[2.15,2.10,2.02,1.95,1.84,1.72,1.57,1.43,1.26,1.08]
4 plt.cla()
5 plt.scatter(x,y)
6 plt.show()
```

### Programme n°3 :

```
1 import matplotlib.pyplot as plt
2 x=[]
3 y=[]
4 plt.cla()
5 plt.plot(x,y,'+',color='red')
6 plt.xlabel("x en m")
7 plt.ylabel("y en m")
8 plt.title("Mouvement de chute")
9 plt.axis('equal')
10 plt.grid(alpha=0.5,linestyle=':')
11 plt.show()
```