Programme no1 :

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| 123456789 | **import** **matplotlib.pyplot** **as** **plt**x=[**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**]y=[**2.00**,**1.95**,**1.89**,**1.80**,**1.69**,**1.56**,**1.40**,**1.22**,**1.01**,**0.77**,**0.52**]plt.cla()plt.scatter(x,y,marker='+')plt.title('Positions successives occupées par le système')plt.xlabel('abscisse x en (m)')plt.ylabel('altitude y en (m)')plt.show() |

Programme no2 :

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| --- | --- |
| 123456 | **import** **matplotlib.pyplot** **as** **plt**x=[**0.40**,**0.55**,**0.70**,**0.84**,**0.97**,**1.11**,**1.24**,**1.38**,**1.52**,**1.67**]y=[**2.15**,**2.10**,**2.02**,**1.95**,**1.84**,**1.72**,**1.57**,**1.43**,**1.26**,**1.08**]plt.cla()plt.scatter(x,y)plt.show() |

Programme no3 :

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| 1 2 3 4 5 6 7 8 91011 | **import** **matplotlib.pyplot** **as** **plt**x=[]y=[]plt.cla()plt.plot(x,y,'+',color='red')plt.xlabel("x en m")plt.ylabel("y en m")plt.title("Mouvement de chute")plt.axis('equal')plt.grid(alpha=**0.5**,linestyle=':')plt.show() |