Tema 1 - Teoria Sistemelor

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```python
[4]: from matplotlib import pyplot as plt
     import numpy as np

     u = np.linspace(-1,1,11)
     T = np.array([-0.8, 3.2, 7.3, 13.1, 20.6, 25.4, 36.8, 47.4, 56.7, 64.5, 71.3],
       dtype = float)

     plt.figure()

     plt.plot(u,T,'o--')
     plt.title("T = f(u)")
     plt.xlabel("u")
     plt.ylabel("T (grade Celsius)")
     plt.grid()
     plt.show()

     R = np.array([26.9, 22.7, 19.2, 15.4, 11.7, 9.8, 6.7, 4.8, 3.6, 2.9, 2.4], dtype
       = float)

     plt.figure()

     plt.plot(T,R,'o--')
     plt.title("R = f(T)")
     plt.xlabel("T (grade Celsius)")
     plt.ylabel("R (kilo-Ohmi)")
     plt.grid()
     plt.show()
```

T = f(u)

R = f(T)