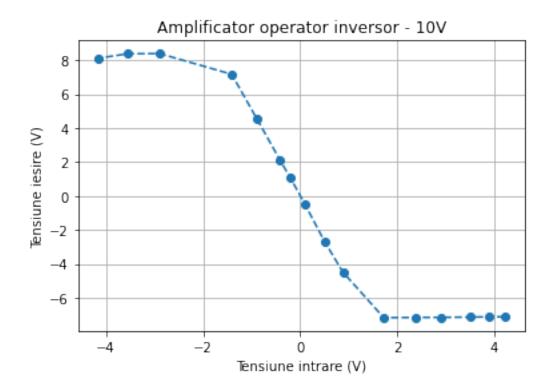
## Tema Electronica Analogica

## Nicoi Alexandru - Grupa 253 - CTI 25 Noiembrie 2020



```
[3]: Vin2 = np.array([6.4, 6.11, 5.66, 4.59, 3.75, 2.79, 1.43, 0.61, 0.25, -0.41, -0.

39, -0.78, -1.23, -2, -3.51, -4.53, -5.56, -6.56], dtype = float)

Vout2 = np.array([-11.84, -11.85, -11.86, -11.88, -11.9, -11.92, -7.28, -3.13, -1.3, 0.5, 1.88, 4.18, 6.3, 10.2, 13.17, 13.15, 13.12, 13.1], dtype = float)

plt.figure()

plt.plot(Vin2, Vout2, 'o--')

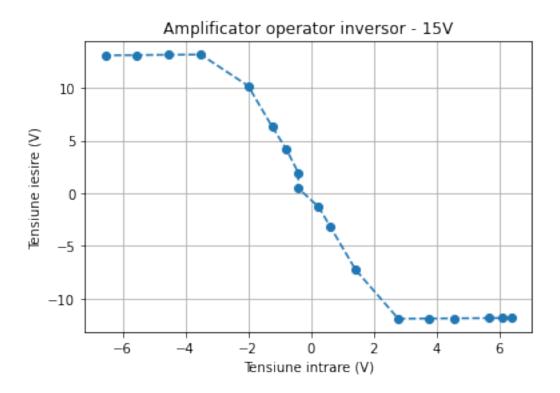
plt.title("Amplificator operator inversor - 15V")

plt.xlabel("Tensiune intrare (V)")

plt.ylabel("Tensiune iesire (V)")

plt.grid()

plt.show()
```



```
[4]: Vin3 = np.array([-2.43, -2.3, -2.1, -1.76, -1.54, -1.44, -1.09, -0.81, -0.49, 0.

→1, 0.3, 0.81, 1.14, 1.61, 2.1, 2.47, 2.72, 2.96], dtype = float)

Vout3 = np.array([-7.22, -7.22, -7.22, -7.22, -7.21, -7.19, -5.8, -3.19, □

→0.7, 2.11, 5.64, 7.92, 8.56, 8.56, 8.56, 8.56], dtype = float)

plt.figure()

plt.plot(Vin3, Vout3, 'o--')

plt.title("Amplificator operator neinversor - 10V")

plt.xlabel("Tensiune intrare (V)")

plt.ylabel("Tensiune iesire (V)")

plt.grid()

plt.show()
```

