

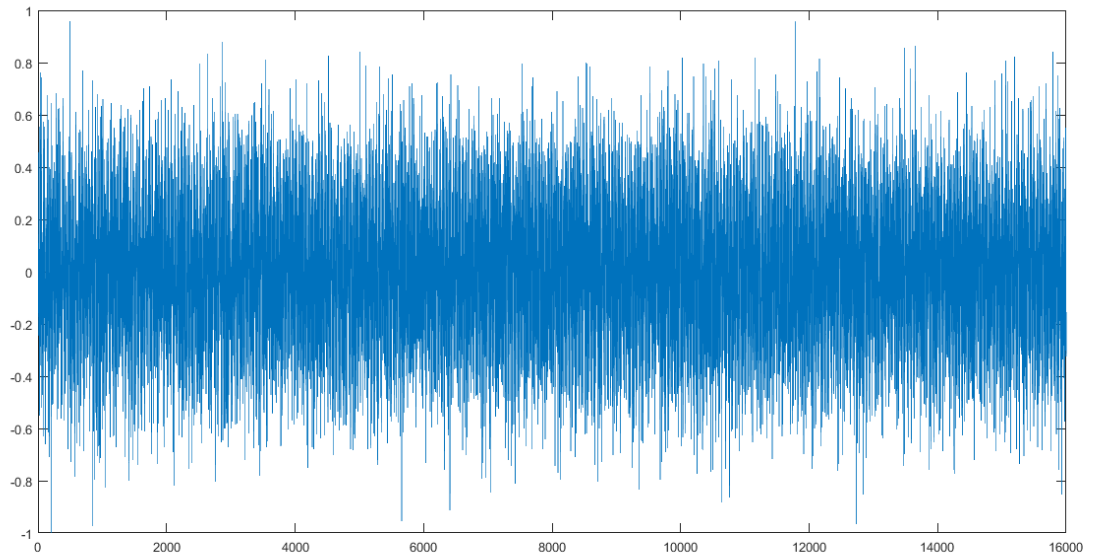


## **Projekt z predmetu signály a systémy**

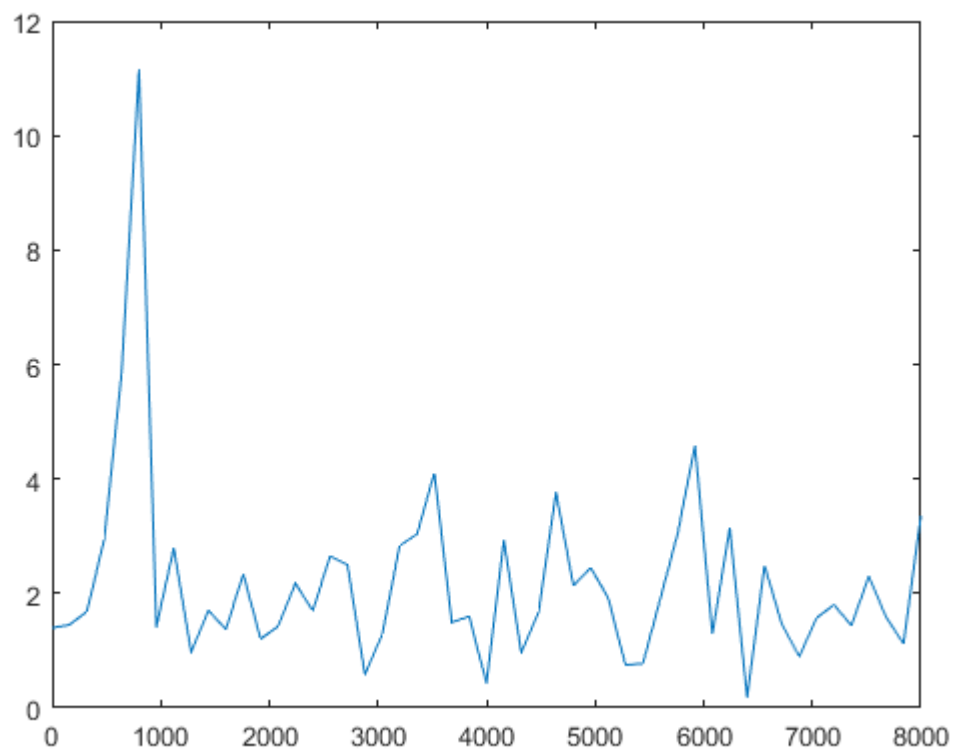
**1. Vzorkovacia frekvencia: 16 000 hz**

**Dĺžka v sekundách: 1 s**

**Dĺžka vo vzorkoch:  $16\,000 / 1 = \underline{16\,000}$**

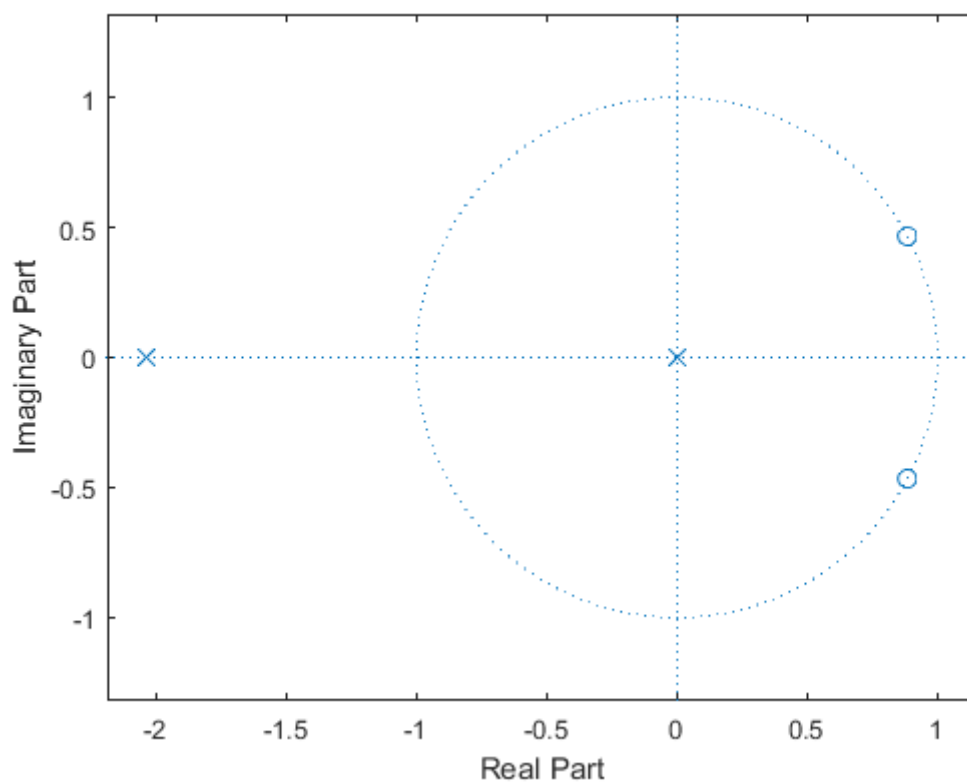


**2.**

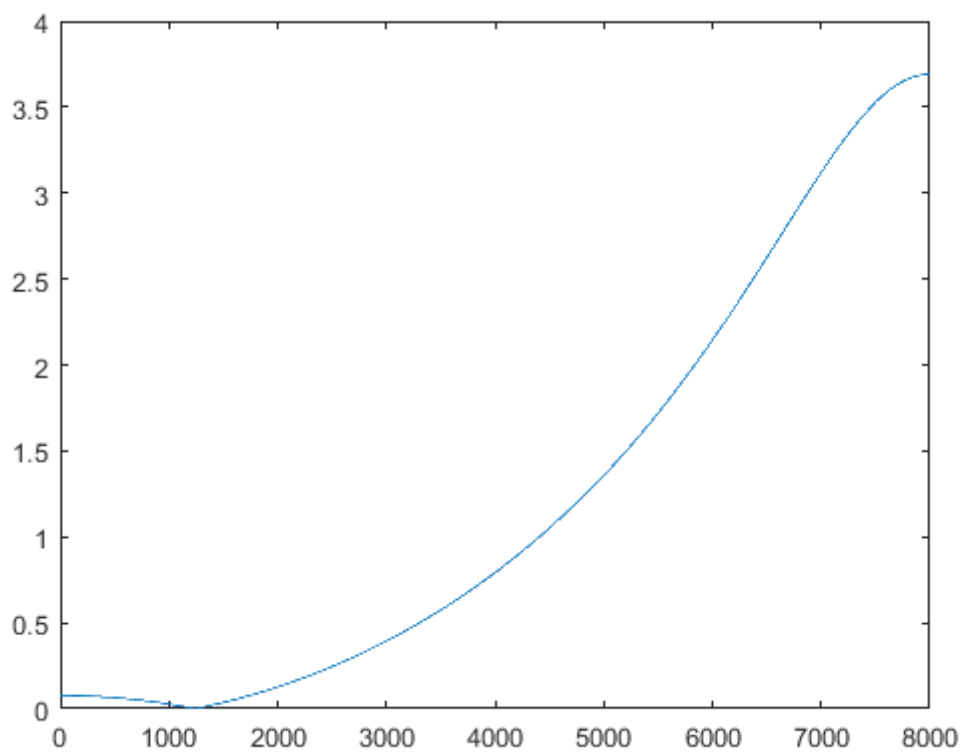


**3. Maximum modulu spektra je na frekvencii 800 Hz**

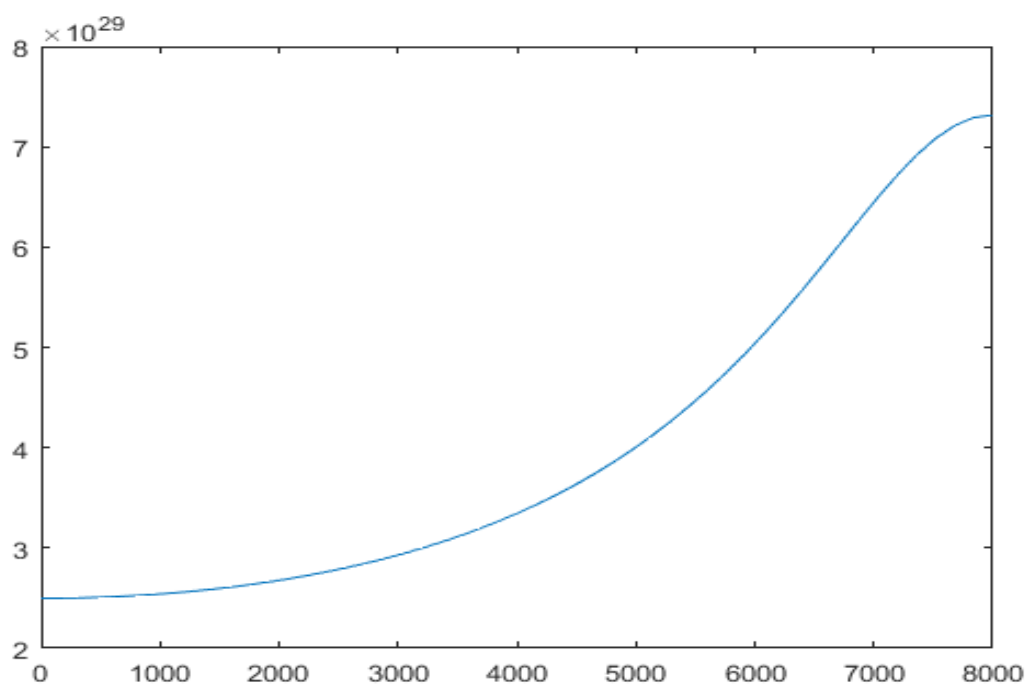
#### 4. Filter je stabilný



#### 5. Filter reprezentuje horní propust'

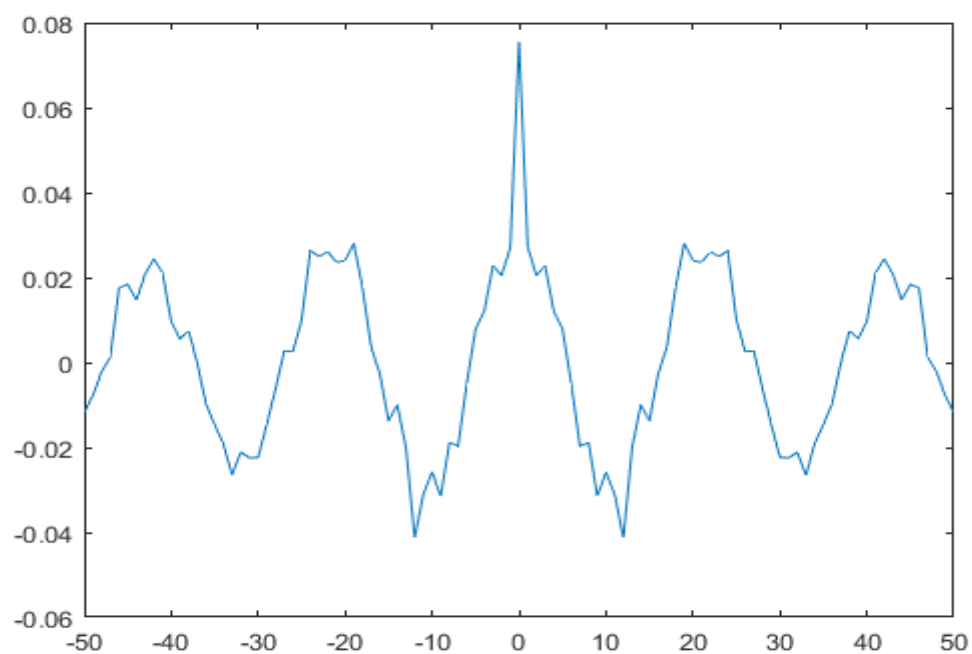


**6**



**7. Maximum modulu spektra je na frekvencii 8000 Hz**

**9.**



**10. Hodnota koeficientu  $R[10] = -4.7935e^{-04}$**