

HACETTEPE UNIVERSITY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ELE 409: DIGITAL SIGNAL PROCESSING LABORATORY
EXPERIMENT 4 - IIR Filters

Name & Surname:

Student ID:

1. Filter Identification

Figure 1. Signals x, y and Filters

Comment:

2. Butterworth Filter

b1:

a1:

N1:

3. Chebychev Filter

b2:

a2:

N2:

4. Comparison of Filters

5. Comparison of Butterworth and Chebychev Filter Outputs

Comment :

Figure 2. Signals y_1 and y_2