

DAT094

Introduction to Electronic System Design

Files in Lab4 MAC_ser_min_12_101

Lab 4

MAC_ser_min_12_101

A serial implementation of a FIR filter. 12 bits signal, 12 bits coefficients, 17 taps

Files

MAC_ser_min_12_101.vhdl – the filter design

MAC_ser_min_12_101.do – do file for the filter design

MAC_ser_min_12_101_tb3.vhdl - test bench for the design

MAC_ser_min_12_101_tb3_do – do file to run the test bench

MAC_ser_min_12_101_package.vhdl – gives coefficients for the filter and input signals and expected results for the simulation (from packages)

vec2str_package.vhdl – converts STD_LOGIC and STD_LOGIC_VECTOR to text for printing (from packages)

