

Make-Up Project

- Due Nov 18 by 11:59pm
- Points 0
- Available Oct 24 at 12am - Nov 18 at 11:59pm

This project can be used to improve your mid-term examination grade.

ECE 580 Make-Up Project

Due November 18, 2024

The natural modes of Chebyshev filters are given by the equations on p. 158 of the lecture notes.

1. Plot the pole Q (Q_p) of the dominant pole of a fourth-order Chebyshev filter as a function of α_p .
2. Find the value of the largest passband ripple α_p if the condition $Q_p < 5$ must hold. Repeat for $Q_p < 3$, $Q_p < 1$.