**EE387 – SIGNAL PROCESSING**

**LAB 03 – SYSTEM FUNCTIONS AND FREQUENCY RESPONSE**

**W.W.K. JAYATHUNGA**

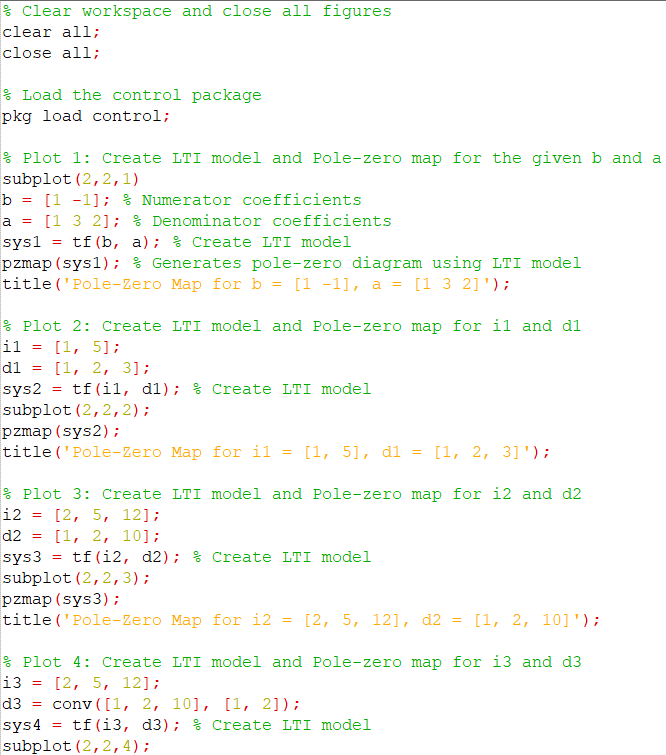
**E/19/166**

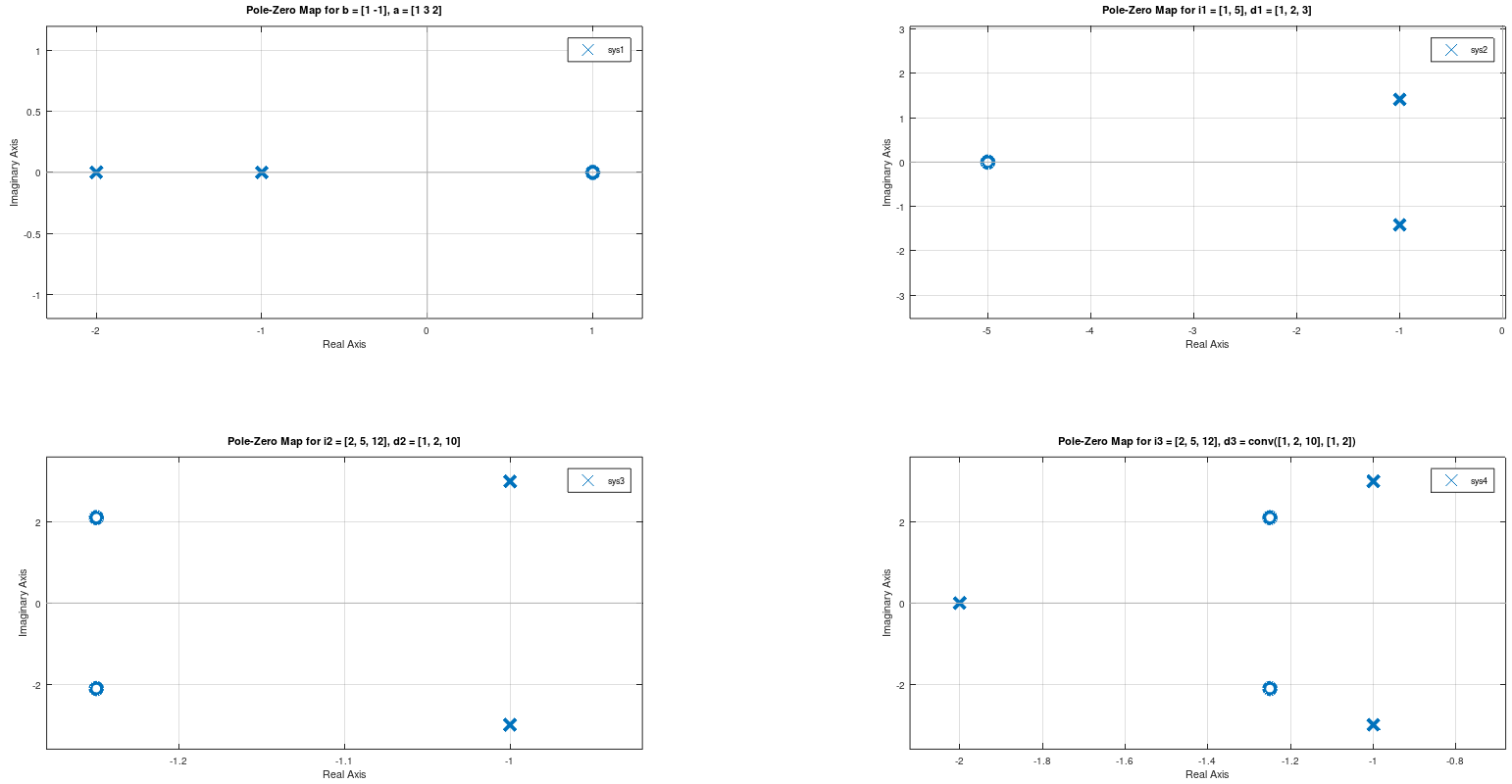
**SEMESTER 06**

**28/05/2024**

**Part 1**

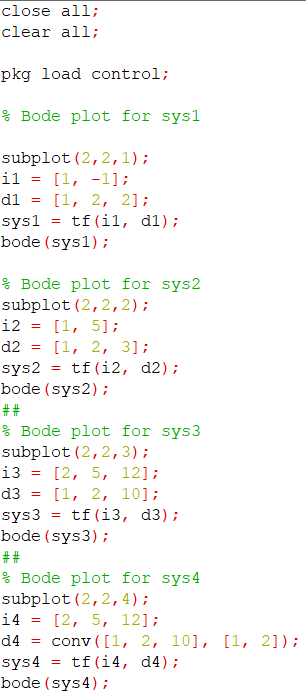
**Exercise**

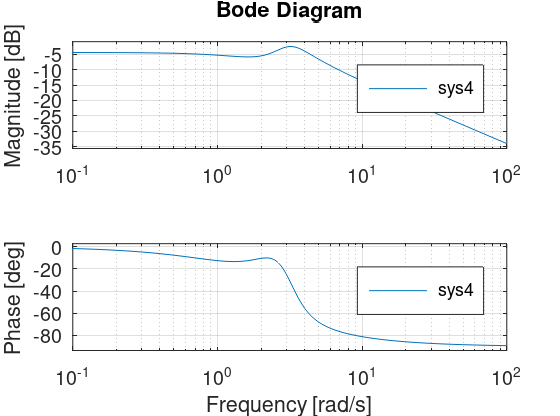
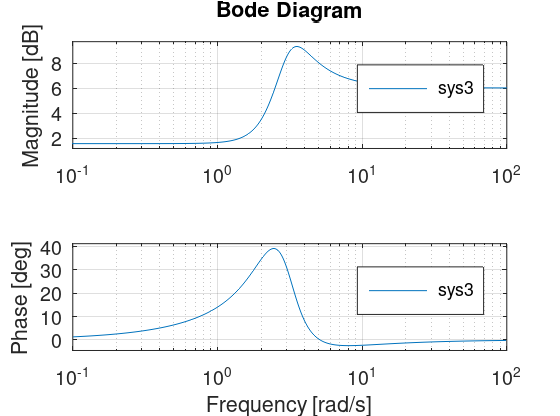
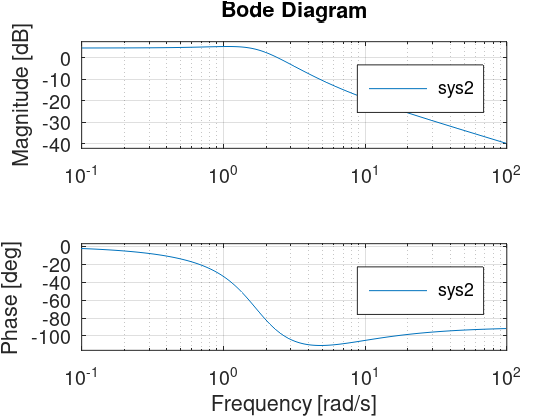
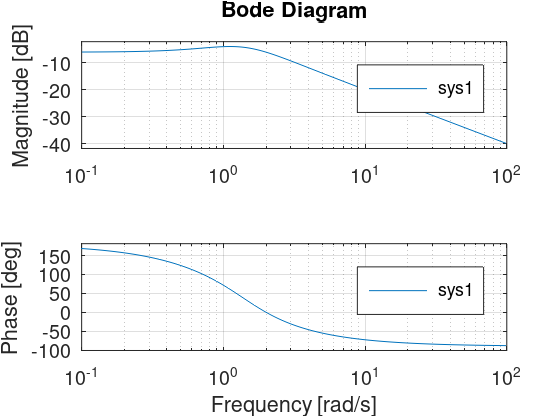




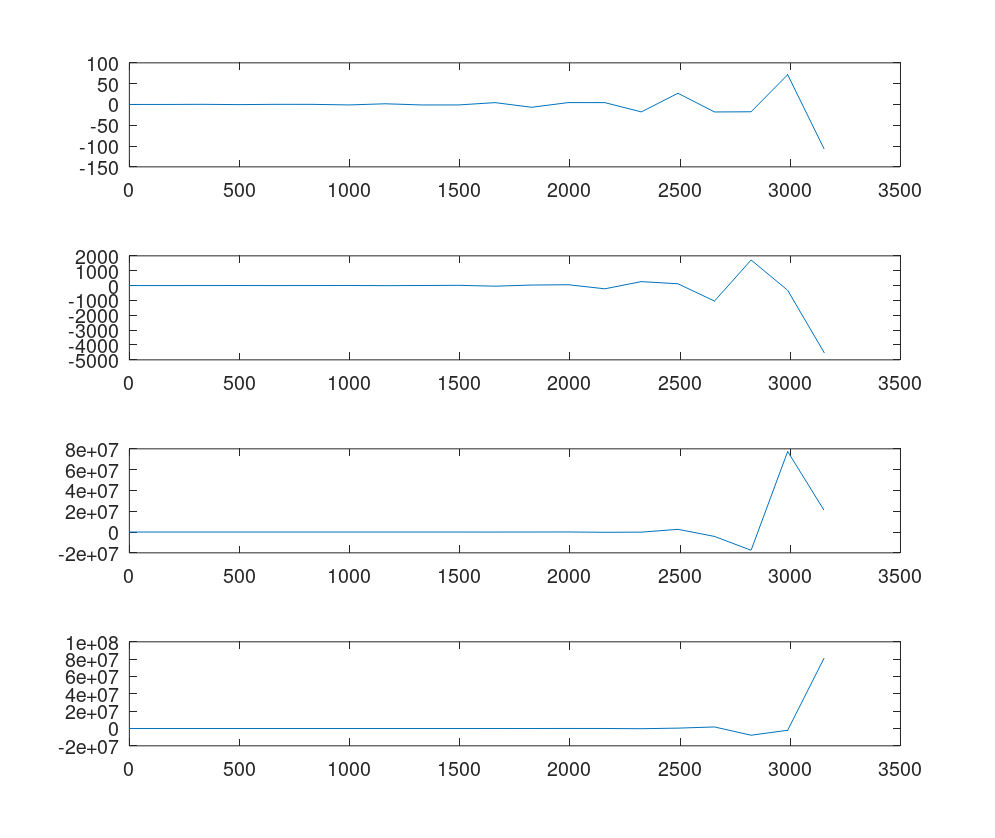
**Part 2**

**Exercise**

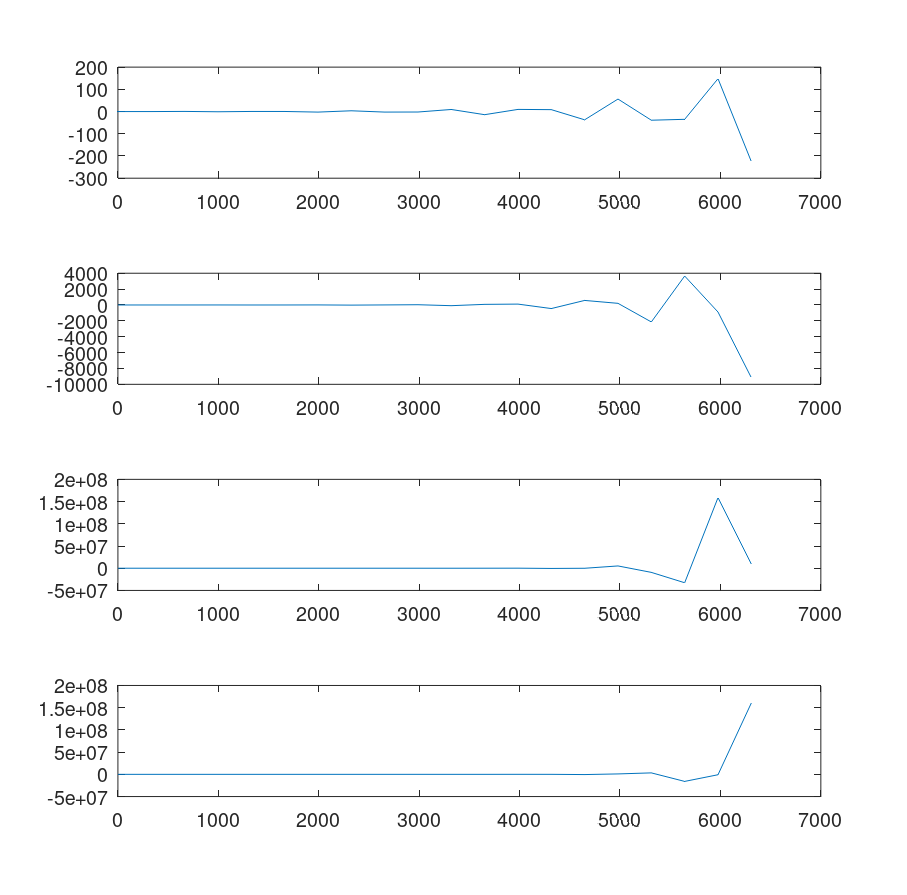
****



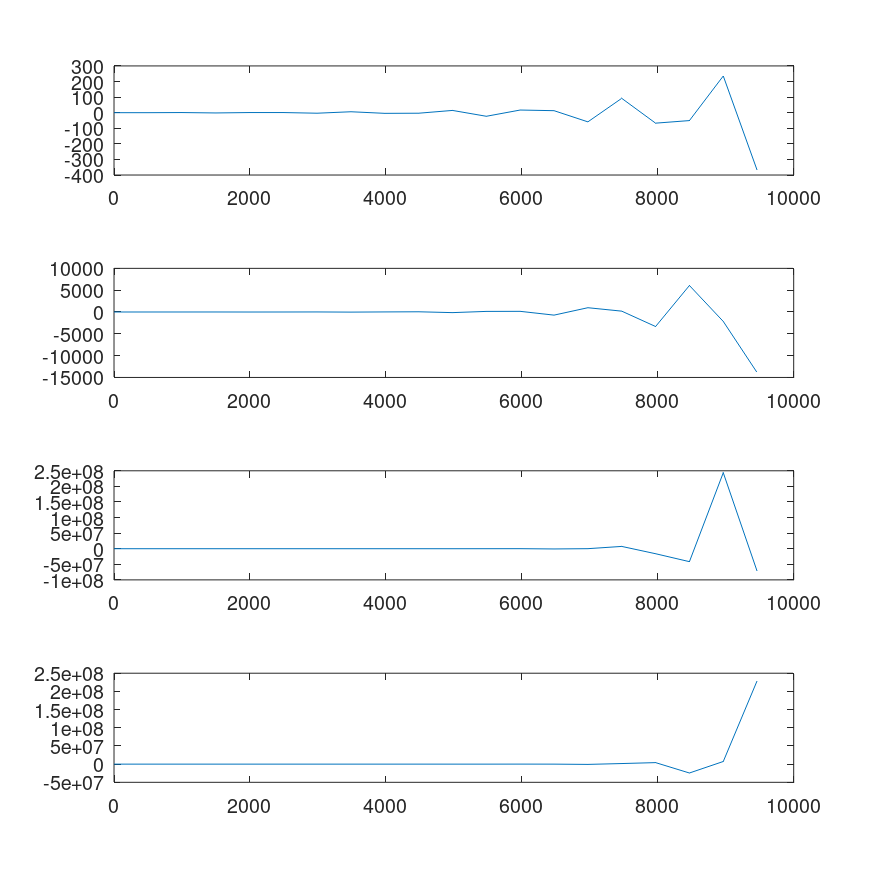
1. f = 166 Hz



f = 332 Hz

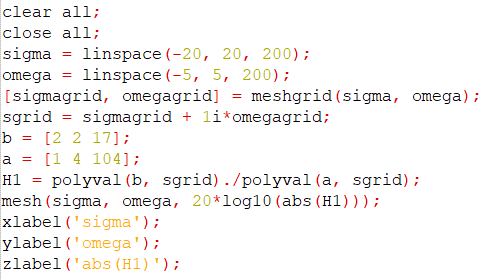


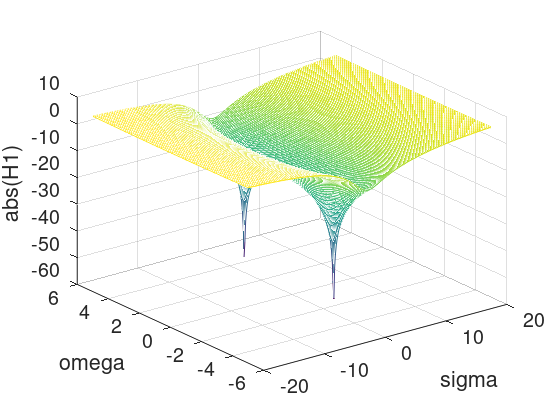
f = 498 Hz



**Part 3**

**Exercise**

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2.2 is the sigma=0 cross section of this plot. (in logarithmic scale)