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Mathematical Modeling of Physical Systems

ETH







	3 rd Sub-problem
4.	Finally, we wish to perform a <i>sensitivit analysis</i> . We want to study the variability of the spring constant and the damper between head and upper torso. For this purpose, we assume variability of these two parameters of $\pm 50\%$.
5.	Repeat the frequency analysis for the four worst case combinations of the two parameters.
6.	Plot the maxima and minima of the amplitude and phase curves as a sensitivity Bode diagram

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