

---

*Exiting: Maximum number of function evaluations has been exceeded  
- increase MaxFunEvals option.  
Current function value: 0.000000*

## Problem 2, Part A - Compare TFs (poles and zeros)

*de\_over\_q\_tf =*

*-79.525 s (s+4.293) (s+0.3157) (s^2 + 0.175s + 0.7104)^2 (s^2 + 12.1s + 95.67)^2*

---

*(s^2 + 0.175s + 0.7104)^3 (s^2 + 12.1s + 95.67)^3*

*Continuous-time zero/pole/gain model.*

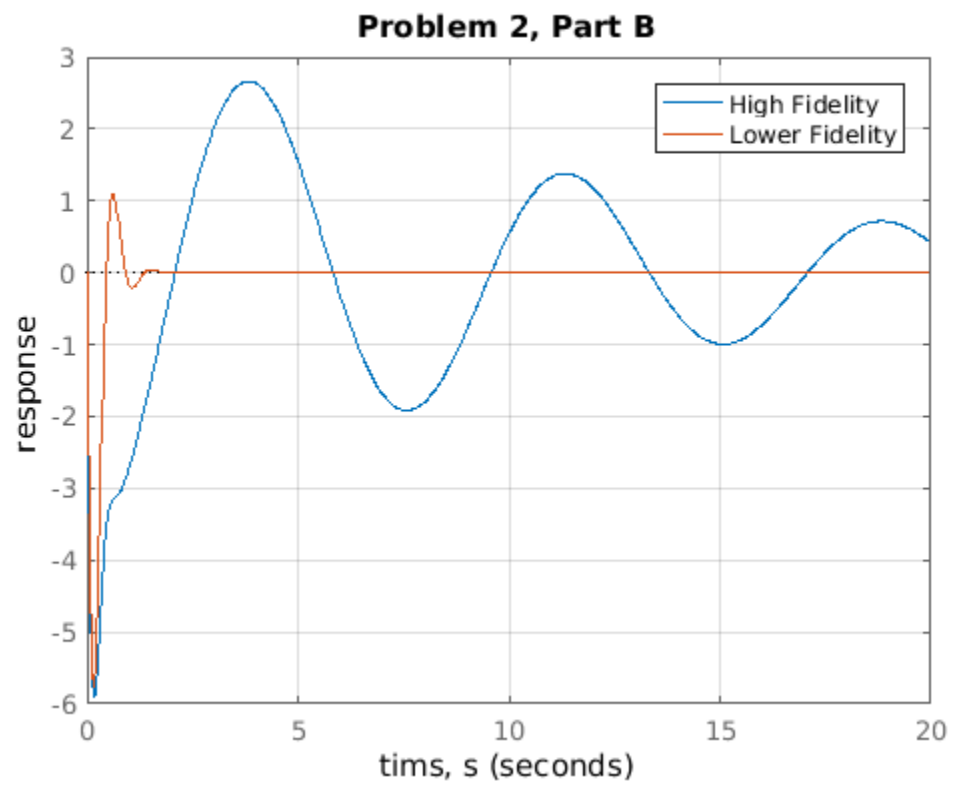
*G\_de2q =*

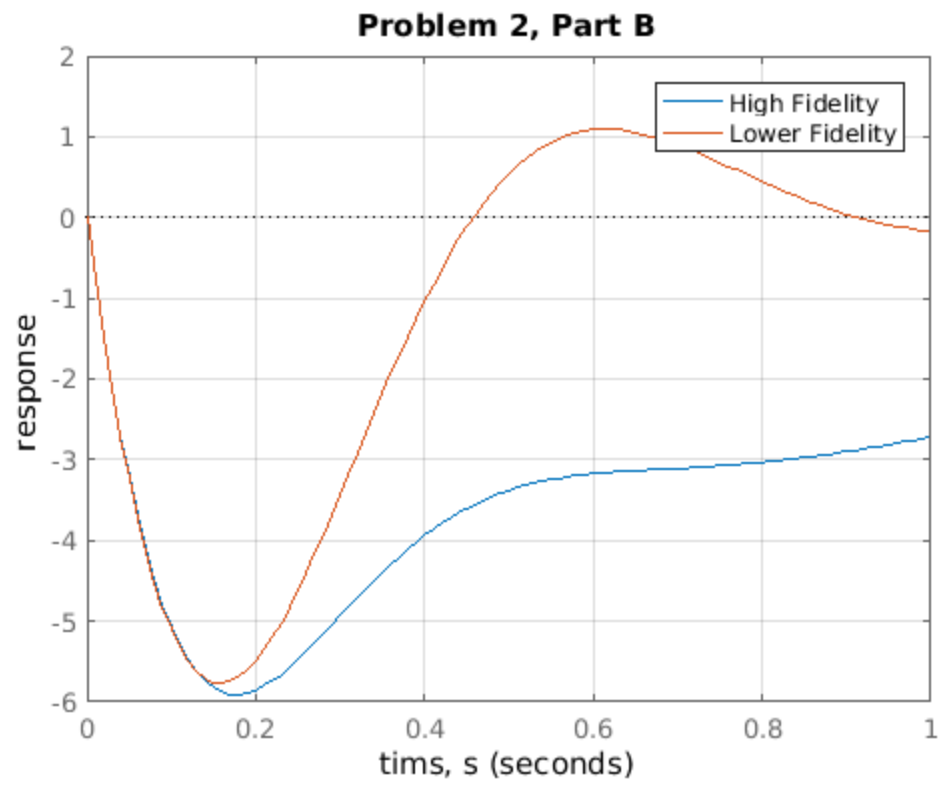
*-79.525 s*  
*-----*  
*(s^2 + 7.272s + 60.44)*

*Continuous-time zero/pole/gain model.*

---

## Problem 2, Part B - Compare step responses





*Published with MATLAB® R2016a*