Summary on Design Trade-offs

From what we have seen so far:

- p large — good damping, but bad noise suppression (too close to PD); the branches first break in (meet at the real axis), then break away.

- p small — noise suppression is better, but RL is too close to $j\omega$-axis, which is not good; no break-in for small values of p.

- intermediate values of p — transition between two types of RL; break-in and break-away points are the same.