

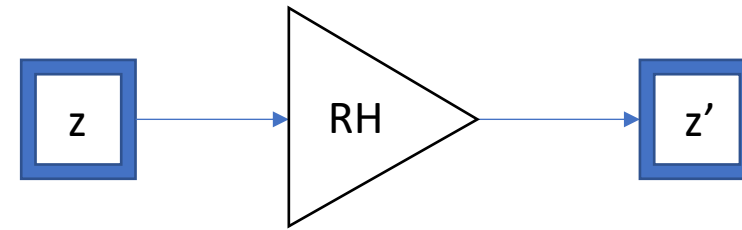
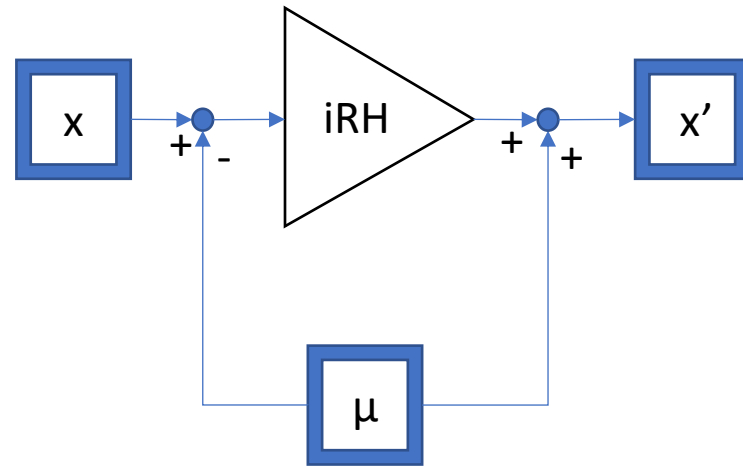
Reducing the RH time constant

- For every step power request, you introduce an abrupt differential in power delivered to your optic which causes over-lensing for an extended period of time (on the order of 10 + hours)

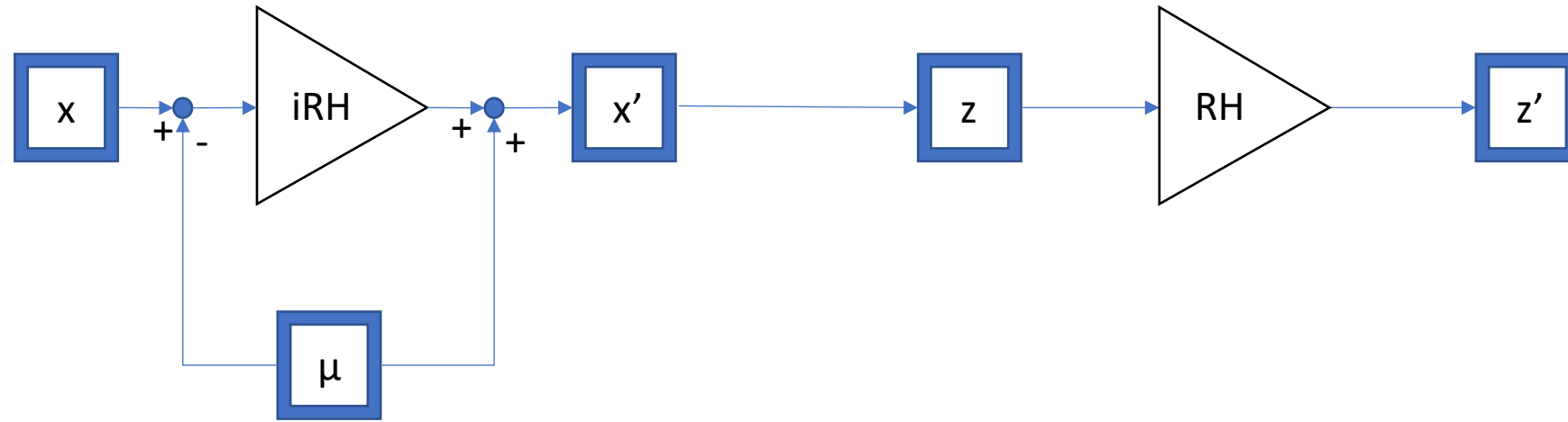
Inverting the RH response

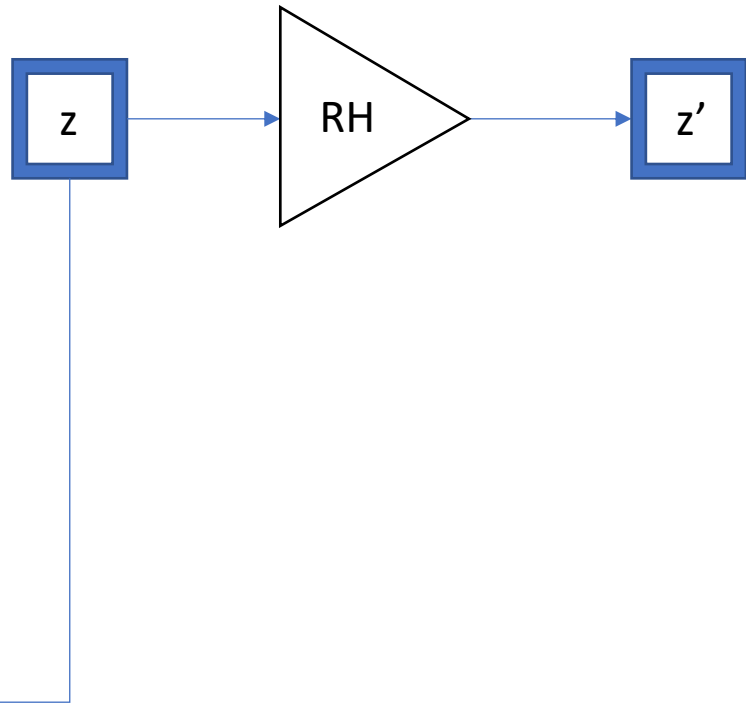
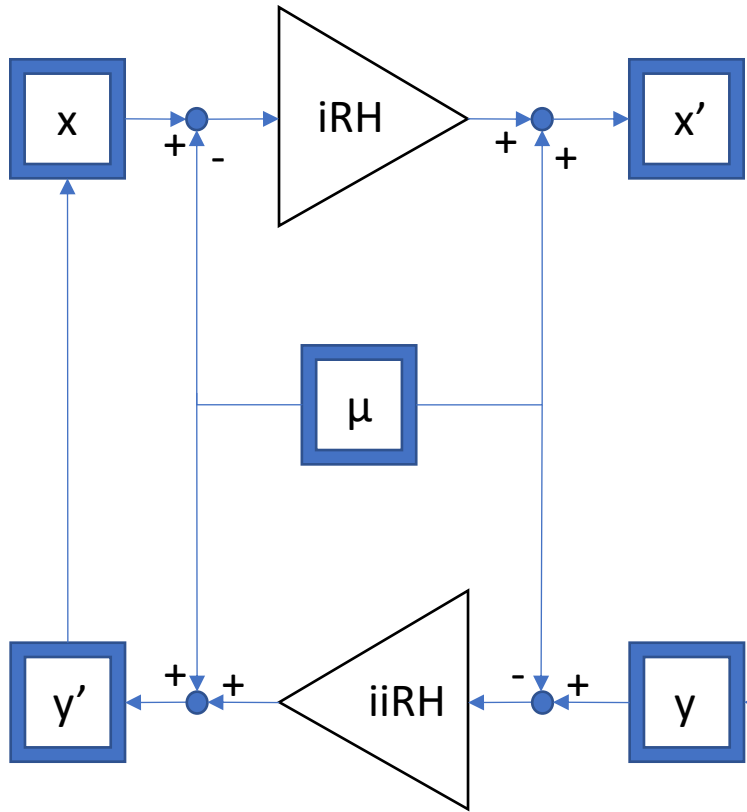
- Get an uninterrupted step response of your plant (RH TM system)
 - Get the best stable zpk fit of your plant filter
 - Swap your zeros and poles
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- Using the HWS data you can invert the response to yield a step lens for any requested

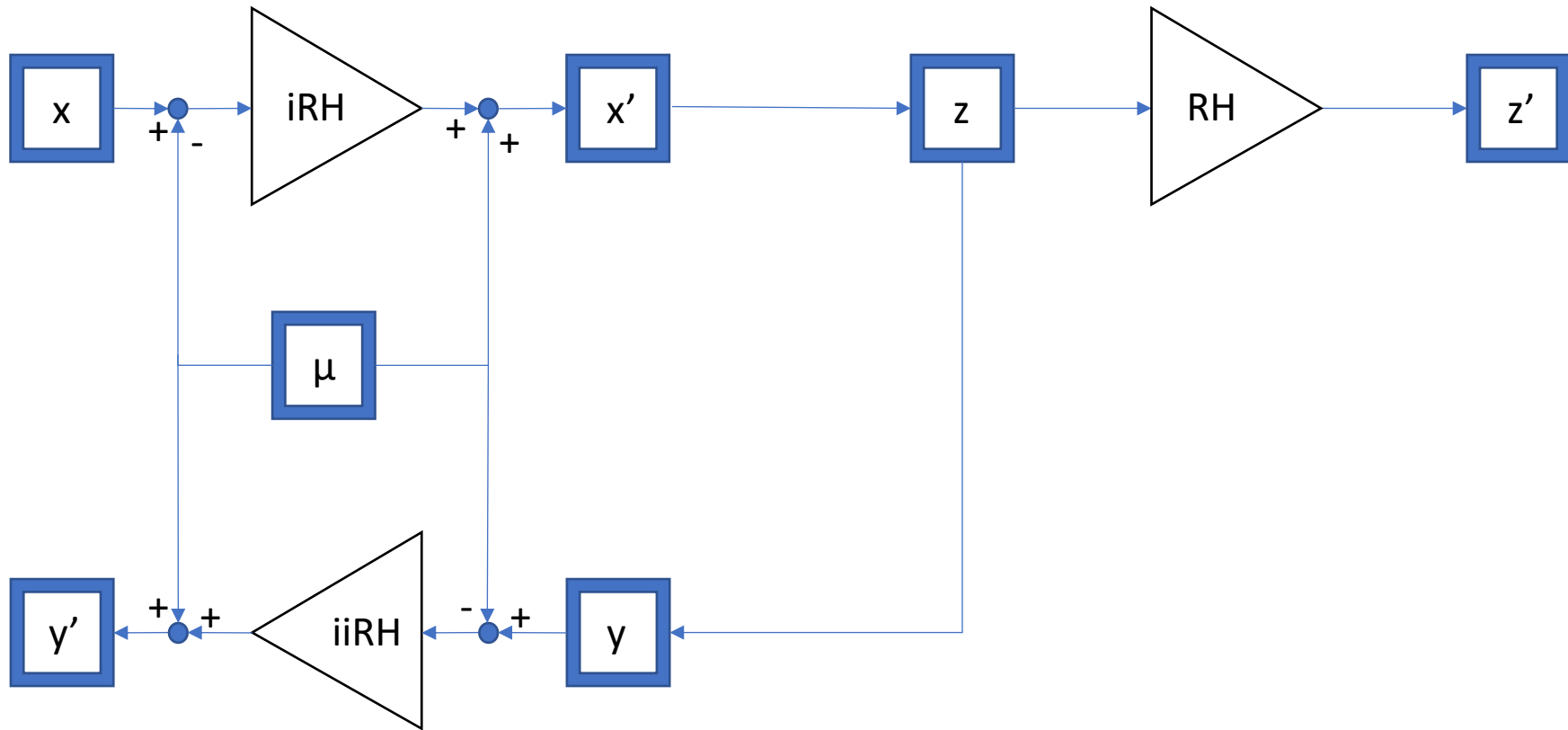
NOMINAL(before 01/11/2018)



FILTER_RH_INPUT (before 01/11/2018)







RESET (after 01/11/2018)

FROM NOMINAL:

This state makes it so the current value from the Beckhoff channel is stored into the '\$OPTICF_RH_PRIORVAL' and the iRH as well as the iiRH filters have their histories cleared.

FROM FILTER_RH_INPUT:

This state makes it so that the input of the inverse filter is set into the '\$OPTIC_RH_PRIORVAL' and the iRH as well as the iiRH filters have their histories cleared.