

CONFIDENTIAL INFORMATION

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Whatever measurement is applied, the real process will certainly have deviations to the ideal theory and the users high expectations. While theory is perfect, practice shows us limitations caused by real life. The challenge for the designer and user of such systems is, to handle and overcome for his application such boundaries by additional, clever aids. Such can be “focused design only to the necessary point”, meaning catching the working gap, software algorithms, additional hardware or optics, etc. ...

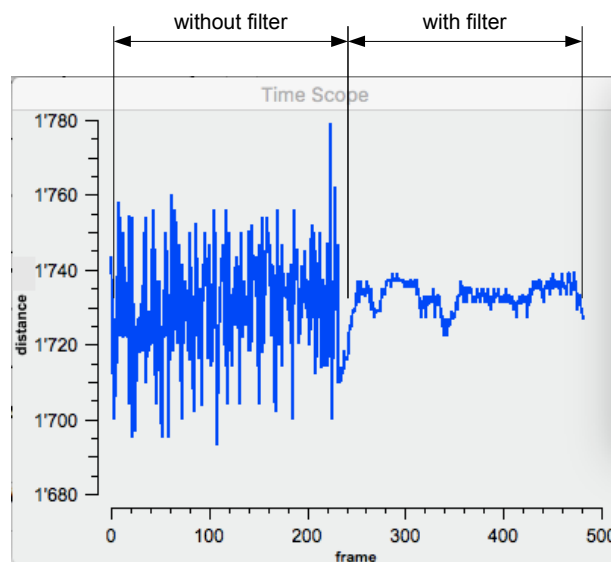


Figure 1: Distance noise reduction with the static Kalman filter on right section of the diagram (Distance in mm; amplitude at 200LSB)

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