

# High precision noise filtering technology

Filter noise which was difficult to be handled with conventional filtering method

## Summary

When using sensors for different measurement purposes, the measured time sequential data is noisy. Filters are usually applied to remove the noise.

However, due to the arbitrary and non-linear nature, conventional filtering methods are not always able to filter or produce result with low precision.

This invention provides a filtering technology with high precision when applying to measured data, compared to conventional filtering methods.

## Application example

Remove noise of time series data, such as motion sequence, mechanical/ electronic device sensor measurement, image sequence, etc

## Patent Data Sheet

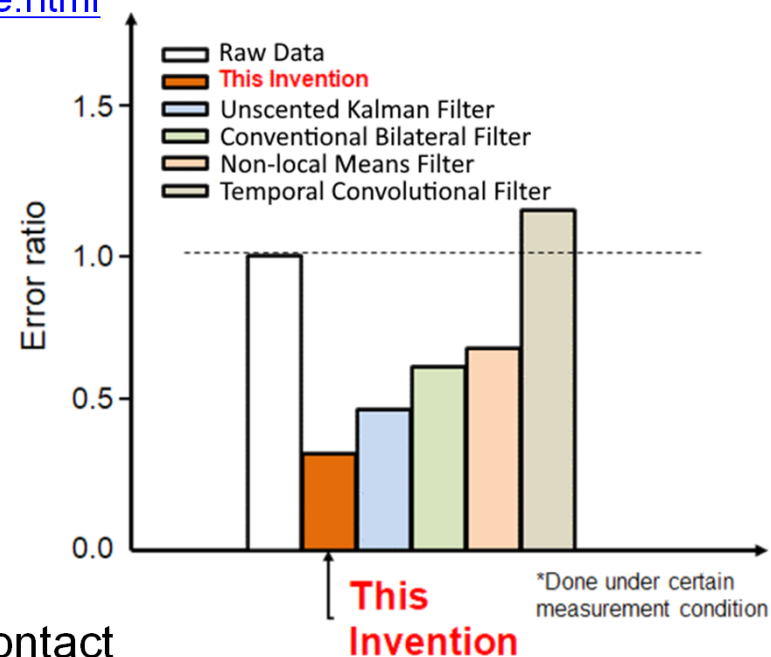
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## Operation example

The following graph is an example where this invention surpasses conventional methods. It is from a study done by Kitamura Laboratory, Research Institute of Electrical Communication, Tohoku University

[https://www.icd.riec.tohoku.ac.jp/research\\_theme/research\\_3D\\_e.html](https://www.icd.riec.tohoku.ac.jp/research_theme/research_3D_e.html)



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