

# Exponential Moving Average

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The Exponential Moving Average filter (EMA) is a very useful filter for smoothing all kinds of data, and it can be implemented very easily and efficiently. On top of that, it is a great way to enrich your understanding of digital filters in general.

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## C++ Implementation

Digital exponential moving average filters explained, as well as an implementation in C++, and simulation in MATLAB.

## Exponential Moving Average

Digital exponential moving average filters explained.

## Filtering in MATLAB

EMA simulation in MATLAB, the effects of an EMA on music and other signals.

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