

Filters

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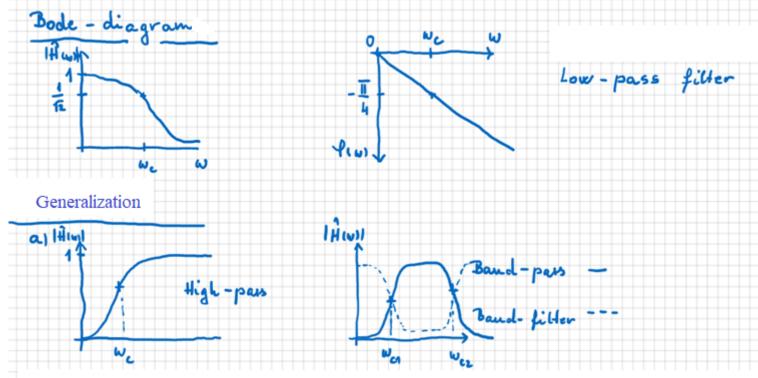
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Basic idea of filtering



Every filter's transfer function can be written in the next form:

$$\frac{\hat{b}(w)}{\hat{a}(w)} = \frac{\hat{b}(w)}{\hat{a}(w)} = \frac{\hat{b}(w)}{\hat{a}(w)}$$

Filter's design in MATLAB

> fdatool

Filtering and spectral analysis in MATLAB

> sptool