

Bachelor's Thesis

Optimal Filters for DWT on Vibrotactile Signals

In response to a call for contributions as part of a standardization activity in IEEE P1918.1.1 a novel codec has been developed for vibrotactile signals. This codec employs a discrete wavelet transform (DWT). However, there are no findings to date, as to which filters are suitable for vibrotactile signals to achieve good decorrelation performance. Hence, the objective of this work is to examine different classes of filters and find optimal ones for the transformation of vibrotactile signals.

Advisors

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