

# Chopin Nocturne 20 C Sharp Minor

**S Ben Porath**

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based noise canceller to eliminate intense background noise of high and low frequency from a desired signal

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doesn't work i applied a signal at the input of the filter the signal is a sinusoid limited at half of the amplitude

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main objective of our algorithm is to determine filter coefficients which will try to match the filter output as close as to the desired output

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nlms algorithm i.e.  $\hat{\sigma}_x^2 = \frac{1}{N} \sum_{n=0}^{N-1} x(n)^2$

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