

Active Noise Control of Speech in Headphones

using Linear Prediction

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Department of Electronic Systems
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Active Noise Control of
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► Counterphase signal

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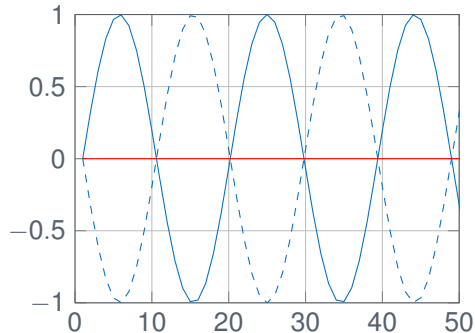
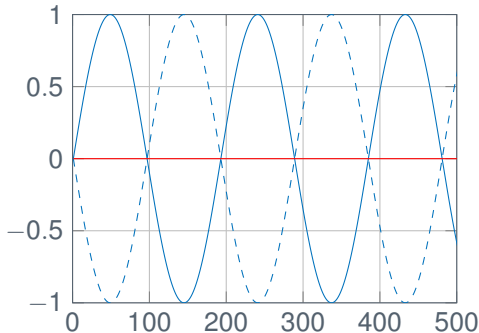
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► Frequency dependent attenuation



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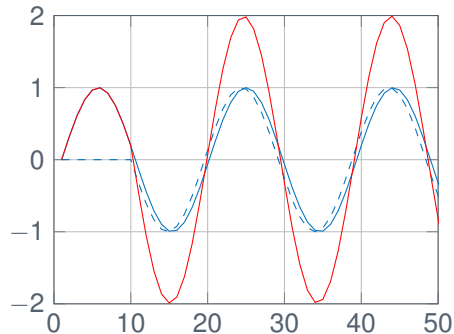
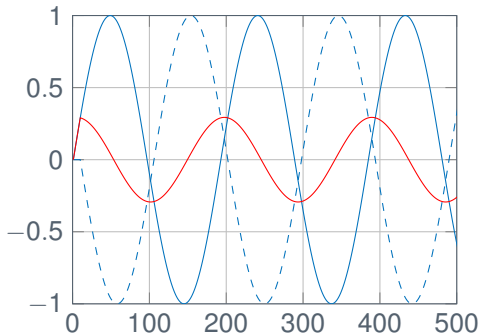
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► Frequency dependent attenuation



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► Conversion delay

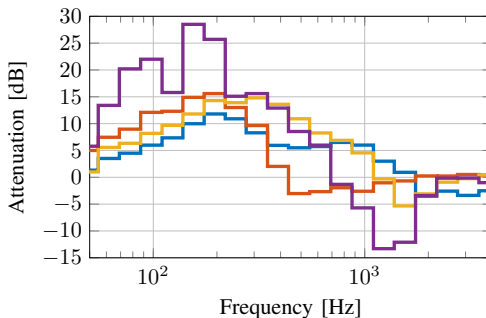
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Introduction

Present consumer headphones

► How well does the consumer headphones attenuate?

- Denon AH-GC20 2.200 kr (2016)
- Bose QC25 2.799 kr (2016)
- Bose QC15 2.696 kr (2011)
- B&O H8 3.495 kr (2016)





Opbygning

Decimator

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