

## Referencer:

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http://en.wikipedia.org/wiki/Damping\_factor

In audio system terminology the **damping factor** gives the ratio of the rated impedance of the loudspeaker to the source impedance. Only the resistive part of the loudspeaker impedance is used. The amplifier output impedance is also assumed to be totally resistive.

The source impedance (that seen by loudspeaker) includes the connecting cable impedance.

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When listening to a system with an amplifier of high damping factor, the bass will be extended, but very clean.

The woofers will not overshoot, and any muddiness in the bass will be due to the program material, more than the amplification chain.

This is not to say that an amp of high quality will make the bass of a Cerwin Vega (a speaker known for boomy, muddy bass)

turn into the bass of a reference series speaker, but a marked change will be observed, and heard.

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Specifications and test data for Beolab 5000
Owner: Classic Audio