



# **Acoustics — Methods for calculating loudness**

## **Part 2: Moore-Glasberg method**



AS ISO 532.2:2019

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- Australian Acoustical Society
- Austroads
- Bureau of Steel Manufacturers of Australia
- Department of Defence (Australian Government)
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## Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EV-010, Acoustics Community Noise, to supersede AS 3657.2—1996, *Acoustics—Expression of the subjective magnitude of sound or noise, Part 2: Method for calculating loudness level*.

The objective of this Standard is to specify a method for estimating the loudness and loudness level of stationary sounds as perceived by otologically normal adult persons under specific listening conditions. It provides an algorithm for the calculation of monaural or binaural loudness for sounds recorded using a single microphone, using a head and torso simulator, or for sounds presented via earphones. The method is based on the Moore-Glasberg algorithm and can be applied to tones, broadband noises and complex sounds with sharp line spectral components, for example transformer hum or fan noise.

This Standard is identical with, and has been reproduced from, ISO 532-2:2017, *Acoustics — Methods for calculating loudness — Part 2: Moore-Glasberg method*.

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