

- Ballou, Glen M. *Handbook for Sound Engineers*. Elsevier, 2008.
- Beyer, Robert T. *Sounds of Our Times: Two Hundred Years of Acoustics*. Springer Press, 1998.
- Blauert, Jens. *Spatial Hearing: The Psychophysics of Human Sound Localization*. MIT Press, 1997.
- Bregman, Albert S. *Auditory Scene Analysis*. MIT Press, 1999.
- Brixen, Eddy B. *Audio Metering: Measurements, Standards and Practice*. Routledge, 2020.
- Dickreiter, Michael. *Handbuch Der Tonstudientechnik*. Vol. 1 & 2, De Gruyter Saur, 2022.

- Görne, Thomas. *Tontechnik*. Carl Hanser Verlag, 2006.
- Hartmann, William M. *Signals, Sound, and Sensation*. Springer, 1998.
- Izhaki, Roey. *Mixing Audio: Concepts, Practices, and Tools*. Routledge, 2018.
- Katz, Robert A. *Mastering Audio: Über Die Kunst Und Die Technik*. GC Carstensen, 2012.
- Miranda, Eduardo Reck. *Computer Sound Design: Synthesis Techniques and Programming*. Focal Press, Elsevier, 2008.
- Morse, Philip M. *Vibration and Sound*. Acoustical Society of America, 1995.
- Puckette, Miller. *The Theory and Technique of Electronic Music Miller Puckette*. World Scientific, 2011.

- Roads, Curtis. *Composing Electronic Music: a New Aesthetic*. Oxford University Press, 2015.
- Siedenburg, Kai, et al. *Timbre: Acoustics, Perception, and Cognition*. Springer, 2019.
- Smith, Julius O. *Spectral Audio Signal Processing*. W3K, 2011.
- Valimaki, Vesa, et al. “Fifty Years of artificial reverberation.” *IEEE Transactions on Audio, Speech, and Language Processing*, vol. 20, no. 5, July 2012, pp. 1421-1448, <https://doi.org/10.1109/tasl.2012.2189567>.
- Weinzierl, Stefan. *Handbuch der Audiotechnik*. Springer, 2008.

- Wuttke, Jörg. *Mikrofonaufsätze*. Eigenverlag Schalltechnik Dr.-Ing. Schoeps GmbH. 2000.
- Yost, William A. *Fundamentals of Hearing: An Introduction*. Elsevier/Academic Press, 2007.

Lorenz Schwarz · HfG Karlsruhe · CC BY 4.0

Websites

- Bregman, Al. "Auditory Scene Analysis." *Archived Copy of Al Bregman's Personal Website, Created with the Permission of Abigail Sibley and Christopher Lyons,* <https://themusiclab.github.io/bregman-archive/asa.htm#>. Accessed 27 Jan. 2025.
- Deutsch, Diana. "Illusions and Research." *Diana Deutsch's Web Page.* <https://deutsch.ucsd.edu/psychology/pages.php?i=101>. Accessed 28 Jan. 2025.
- Hajdu, Gerog "Music Technology Online Repository." Music Technology Online Repository, Hochschule für Musik und Theater Hamburg, <https://mutor-2.github.io/>. Accessed 23 Feb. 2025.
- Sengpiel, Eberhard. *Forum für Mikrofonaufnahmetechnik und Tonstudiatechnik.* <https://www.sengpielaudio.com/> Accessed 6 Nov. 2023.

Works cited

- Schaedler, Jack. "Circles Sines and Signals" GitHub, <https://jackschaedler.github.io/circles-sines-signals/>. Accessed 9 Oct. 2024.
- Smith, Julius O. III. "Sinusoids." CCRMA, 2 April 2024, <https://ccrma.stanford.edu/~jos/st/Sinusoids.html>. Accessed 9 Oct. 2024.

Copyright and Licensing

Original content: © 2025 Lorenz Schwarz

Licensed under [CC BY 4.0](#). Attribution required for all reuse.

Includes: text, diagrams, illustrations, photos, videos, and audio.

Third-party materials: Copyright respective owners, educational use.

Contact: lschwarz@hfg-karlsruhe.de

[← Chapters](#)