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Courses » Fundamentals of Acoustics

Announcements

Course

Forum

Progress

Mentor

Unit 6 - Week 05: 1-D Waves ✎

Course outline

How to access the portal?

Week 01: Introduction and Terminology

Week 02: Concept Review

Week 03: Wave equation

Week 04: Transmission line equations

Week 05: 1-D Waves

- Lesson 1: Instantaneous Power
- Lesson 2: Instantaneous Power in a L-R Circuit
- Lesson 3: Power Factor, and Acoustic Power
- Lesson 4: Power Flow into an Infinitely Long Tube
- Lesson 5: Point Sources of Sound
- Lesson 6: Relations for Outward Travelling Spherical Acoustic Wave
- Quiz: Week 5 Assignment
- Week 5 Assignment Solution**

Week 06: Power and spherical waves

Week 07: Spherical waves and interference

Week 08: Directivity and mufflers

Week 09: Sound in rooms

Week 10: Reverb time and FFT

Week 11: Weighting

Week 5 Assignment Solution ✎

Q01:d

Q02:d

Q03:b

Q04:b

Q05:a

Q06:c


Q07:a

Q08:a

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and loudness

Week 12:
Miscellaneous topics
and closure

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