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Example Problems for Lecture 13 „Audio“

1. Important Topics

Structure of a low-level audio api

Sound mixing

Basic structure of music

Sound localization

Doppler Effect

2. Example Problems

a) What is the basic data structure used to send audio signals to the audio hardware?

b) How does an algorithm for sound mixing work?

c) What are the basic elements of a piece of music?

d) What algorithms does the brain use to differentiate sounds coming from the left and the right?