3. Microphone Arrays (Basics)
Overview

- Simple Delay-And-Sum-Beamformer
Applications Microphone Arrays

Robotics

Speech Control

Seismology
Types of Arrays
Other Example Application

From “HEAD VISOR - System for Real-Time Identification of Sound Sources”

Array Application to sound emission from car
Microphone Arrays

\[ \tau = \frac{D}{c} \sin \theta \]

Use time delay to enhance signal from a certain direction.

See maple script
• Details:
  ‣ Tafelanschrift
  ‣ Maple Skripten auf der Web-Seite