Abstract

The microphones Arrays provides a wide range of applications in the field of source localization, sound reconstruction, beamforming, spatial sound field Analysis etc. using a spherical Harmonics. Speaker Identification, speech recognition, teleconferencing, Video conferencing are the commercial applicable application of spherical microphone Array. Spherical microphone Array is an open or rigid type which provides a number of advantages over single microphone system. This paper briefly describes the model of spherical microphone array, spatial sampling and present the numerical Analysis of spherical harmonics which can be used for locating the multiple sources in 3D space

Refer
Study and Analysis of Spherical Microphone Array

References

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Index Terms

Computer Science

Signal Processing
Keywords
Spherical Microphone Array  Spherical Harmonics  Beamforming