Two-microphone Separation of Speech Mixtures Demo

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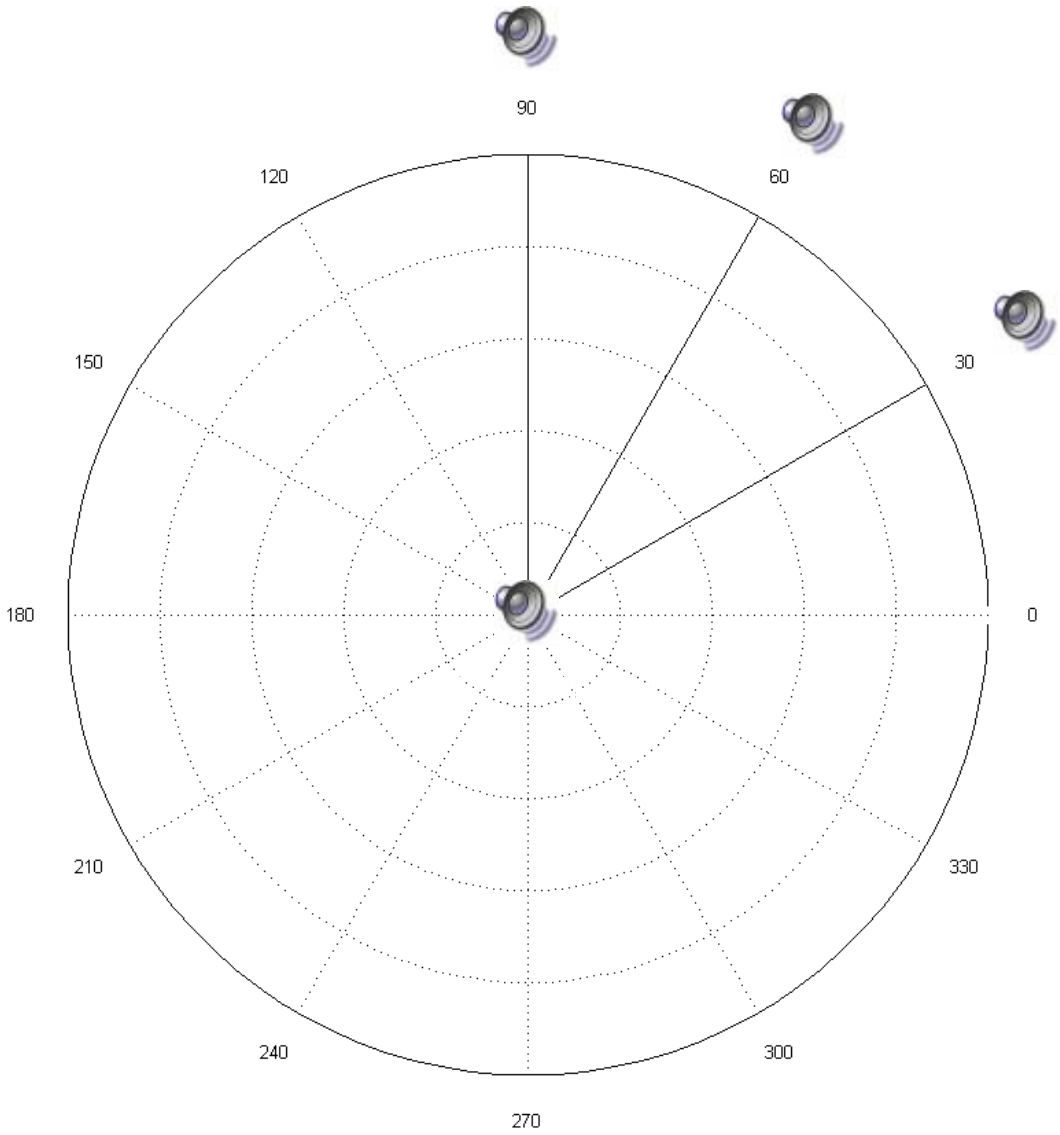
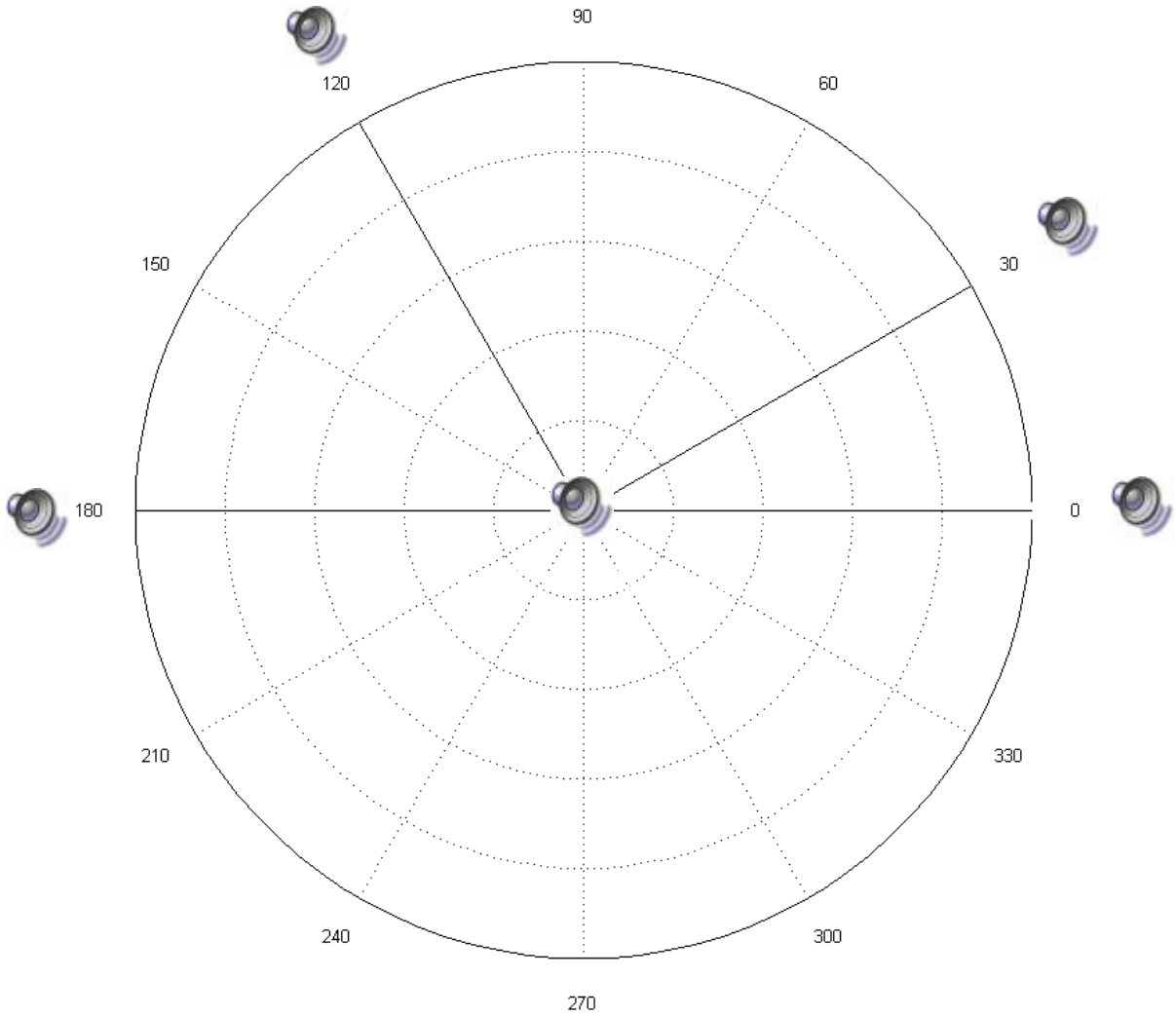
Contents

- In this demonstration we show the separation performance of different mixtures. The mixtures consist of 3, 4, 5, 6 and 7 speech sources, respectively.
- The arrival directions of the sources are also shown.
- Separation with background noise is demonstrated too.
- The source code is available online: http://www.imm.dtu.dk/pubdb/p.php?4399
- A related paper M.S. Pedersen, D. Wang, J. Larsen and Ulrik Kjems: "Two-microphone Separation of Speech Mixtures," 2006, accepted for ICA'2006 is available online at: http://www.imm.dtu.dk/pubdb/p.php?4060
- PowerPoint is required in order to listen to the sound clips. Download the associated zip-file.

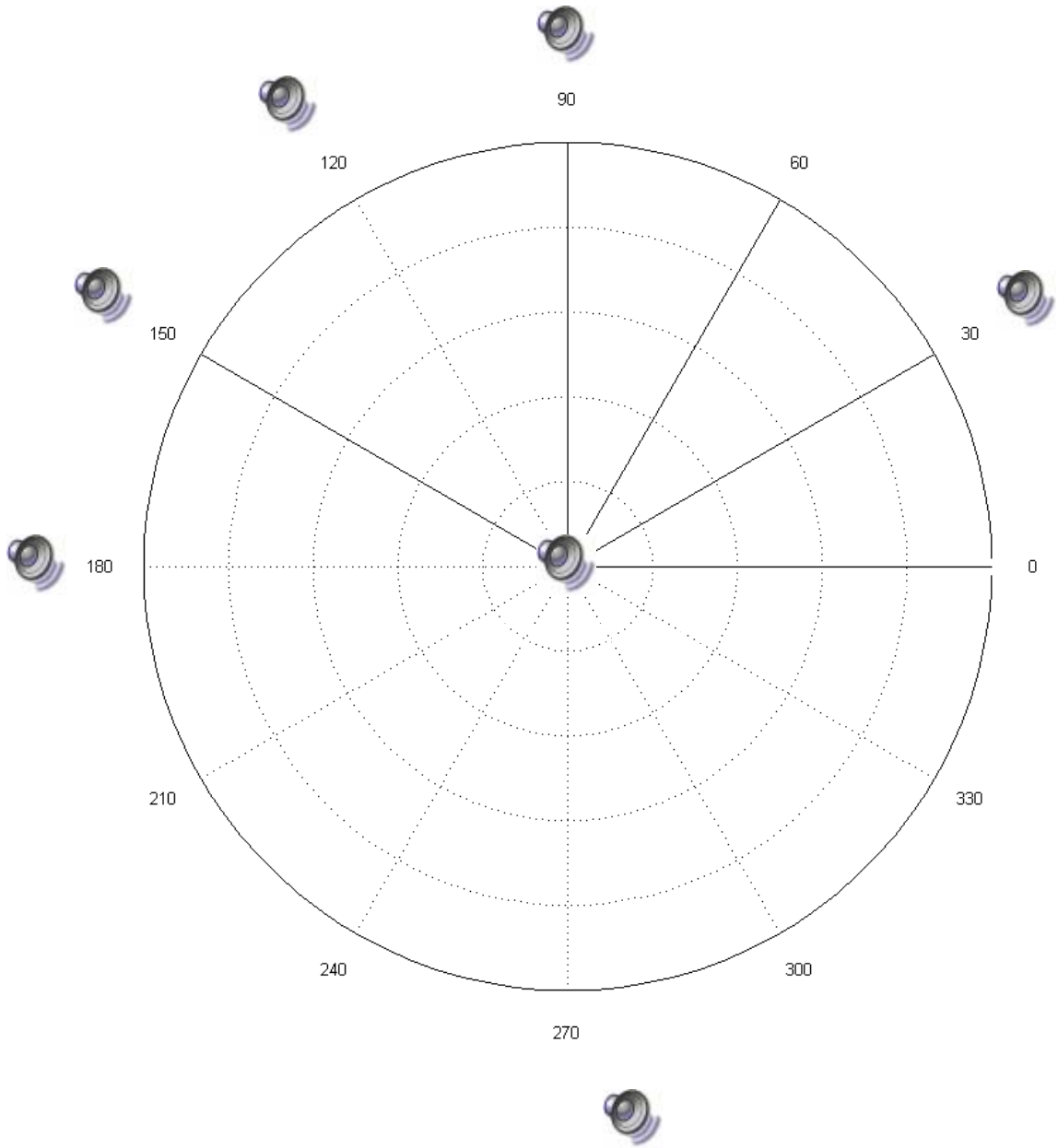
Separation of 3 sources



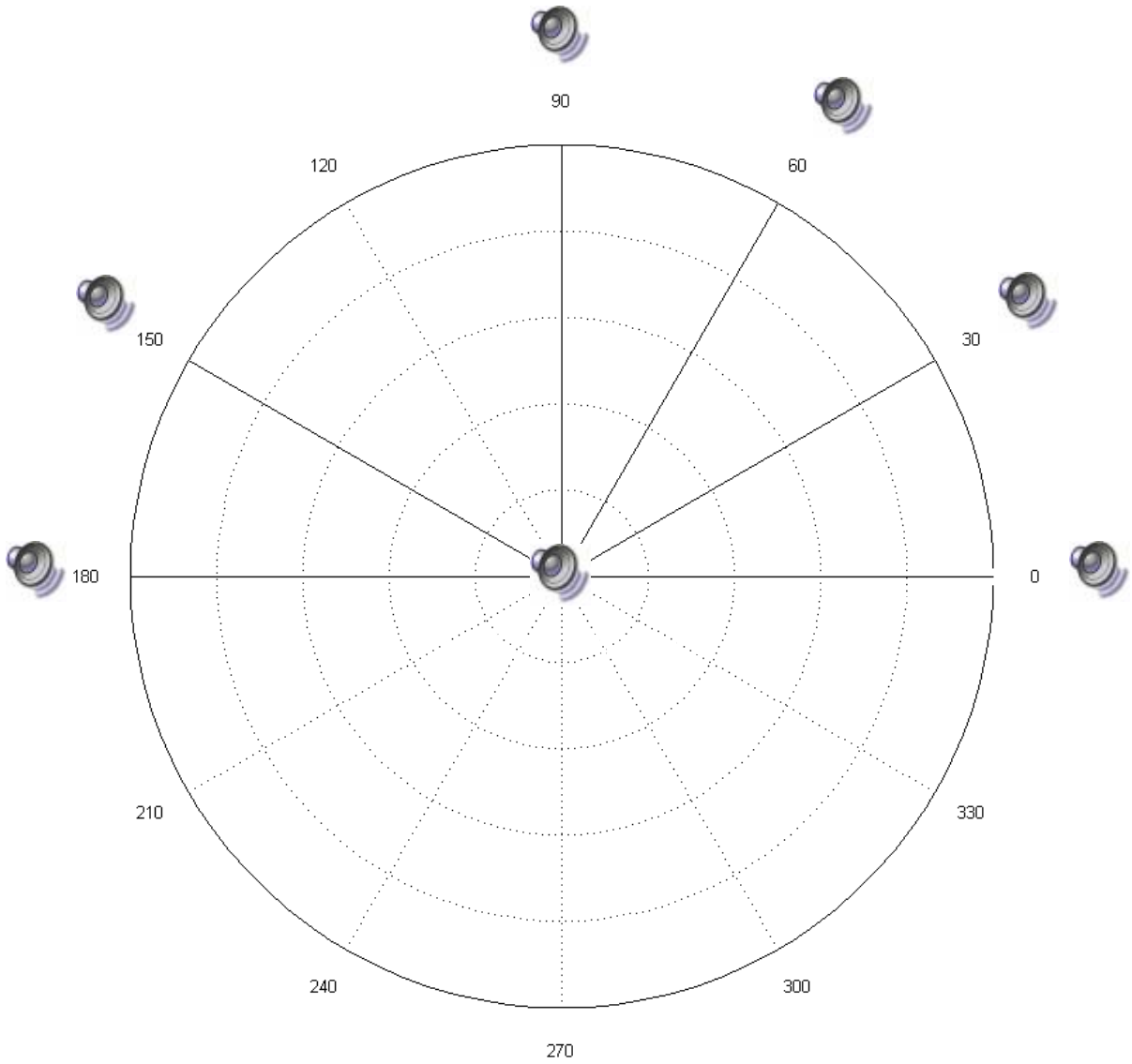
Separation of 4 sources



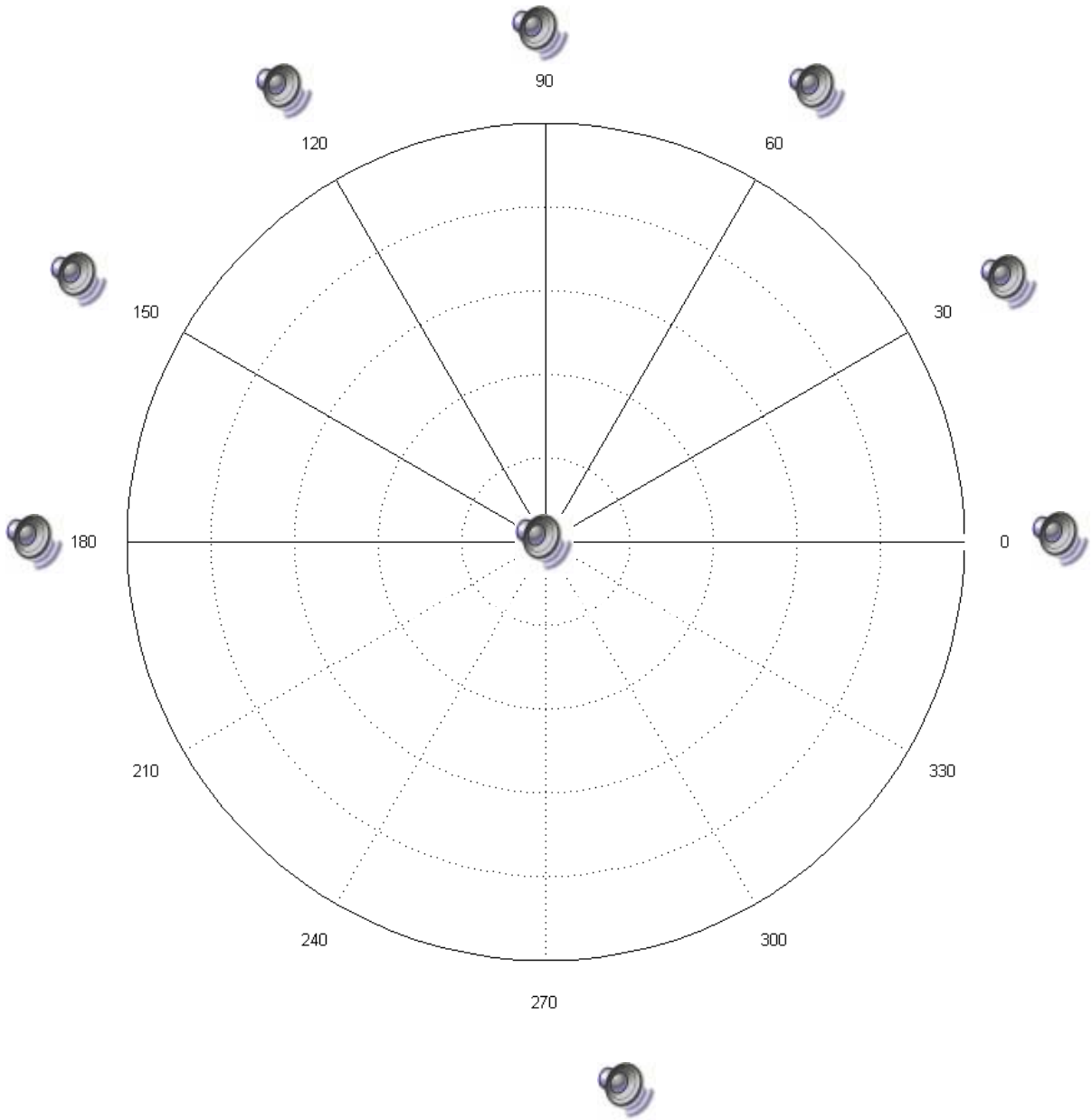
Separation of 5 sources



Separation of 6 sources



Separation of 7 sources



Separation of 4 sources in white noise (20dB below mixture level)