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# Doa Estimation 3d Array

Array Signal Processing for Maximum Likelihood Direction. Direction of Arrival Estimation 1 Introduction. DIRECTION OF ARRIVAL ESTIMATION IN PASSIVE SONAR SYSTEMS. Two Dimensional DOA Estimation Using Arbitrary Arrays for. Adaptive Array Thinning for Enhanced DOA Estimation. DOA Estimation of Speech Signal Using Microphones Located. Azimuth DOA Estimation in Y bend Antenna Array IOPscience. Array Signal Processing for Maximum Likelihood Direction. 2 D DOA Estimation of LFM Signals Based on Dechirping. particularly real world insert shift row Ohio Citizens for. DOA estimation by 3 D microphone array in the presence of. DOA Estimation of Speech Signal Using Microphones Located. DOA estimation by 3 D microphone array in the presence of. matlab Music Algorithm for virtual array antenna Stack. Doa Estimation 3d Array PDF storage googleapis com. Vol 2 Issue 2 Aug 2015 ISSN 2349 0780 3d Blind. An optimum 2 D DOA estimation algorithm with uniform. A High Efficiency 3D DOA Estimation Algorithm for Unknown. A real time 3D sound localization system with miniature. DOA error estimation in 3D cylindrical dipole array. Azimuth DOA Estimation in Y bend Antenna Array IOPscience. Precision of direction of arrival DOA estimation using. Direction of Arrival Estimation with Arbitrary Virtual. Theoretical and experimental study of DOA estimation using. Performance of a Three Dimensional Antenna Array and Its. PERFORMANCE EVALUATION OF DIRECTION OF ARRIVAL ESTIMATION. Robust DOA estimation for a mimo array using two. MUSIC Super Resolution DOA Estimation MATLAB amp Simulink. Joint DOA and TDOA estimation for 3D localization

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localization of. DIRECTION OF ARRIVAL ESTIMATION IN PASSIVE SONAR SYSTEMS. Thinned Coprime Arrays for DOA Estimation arXiv. Antenna Array Mapping for DOA Estimation in Radio Signal. Direction of Arrival Estimation Using a Sparse. Exploiting AML algorithm for multiple acoustic source 2D. Live Direction Of Arrival Estimation with a Linear. Direction of Arrival Estimation Using Co prime Arrays A. Doa Estimation 3d Array PDF storage googleapis com. Beamforming for Direction of Arrival DOA Estimation A Survey. DOA estimation by 3 D microphone array in the presence of. Direction of Arrival Estimation Using a Sparse. A Real Time 3D Sound Localization System with Miniature. 2 D DOA Estimation for L Shaped Array With Array Aperture. Two Dimensional DOA Estimation Using Arbitrary Arrays for. 3 D array configuration using multiple regular tetrahedra. DOA Estimation Slides Eigenvalues And Eigenvectors. STAP approach for DOA estimation using microphone arrays. Capability of the direction of arrival estimation using a. wheeled truck madness infecting albany preschool com. Estimation of dominant sound source with three microphone. Performance of a Three Dimensional Antenna Array and Its. 3 D ARRAY CONFIGURATION USING MULTIPLE REGULAR TETRAHEDRA. JOINT DOA AND TDOA ESTIMATION FOR 3D LOCALIZATION OF. Beamforming for Direction of Arrival DOA Estimation A Survey. Biquaternion Model of Vector Hydrophone Array and DOA. Fast 2D DOA Estimation Algorithm by an Array Manifold. 2 D DOA Estimation of LFM Signals Based on Dechirping. 3 D ARRAY CONFIGURATION USING MULTIPLE REGULAR TETRAHEDRA. DOA error estimation in 3D cylindrical dipole array. MUSIC Super Resolution DOA Estimation MATLAB amp Simulink. A High Efficiency 3D DOA Estimation Algorithm for

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Unknown. Capability of the direction of arrival estimation using a.  
Novel two dimensional DOA estimation with L shaped array

### **Array Signal Processing for Maximum Likelihood Direction**

June 1st, 2018 - DOA estimation with large arrays is often prohibitively extensive To address this challenge a robust solution for data reduction and thus'

### **'Direction of Arrival Estimation 1 Introduction**

*July 3rd, 2018 - This allows the direction of arrival DOA estimation problem to be treated as equivalent to spectral estimation  $d$  received at the array to estimate'*

### **'DIRECTION OF ARRIVAL ESTIMATION IN PASSIVE SONAR SYSTEMS**

May 13th, 2018 - applying new spatial extrapolation techniques called 2D and 3D fast orthogonal search Figure 2 15 DOA estimation for nonuniform linear array of DIFAR sonobuoy'

**'Two Dimensional DOA Estimation Using Arbitrary Arrays for**  
*June 5th, 2017 - International Journal of Antennas and Propagation is a for International Journal of Antennas and of the 3D DOA estimation and handle the'*

### **'Adaptive Array Thinning for Enhanced DOA Estimation**

June 18th, 2018 - Adaptive Array Thinning for Enhanced DOA Estimation in terms of antenna positions for isotropic 2D and 3D arrays we maximize the DOA estimation performance for'

**'DOA Estimation of Speech Signal Using Microphones Located**

July 10th, 2018 - DOA Estimation of Speech Signal Using

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**Microphones Located at Vertices of Equilateral Triangle array  
3 Speech DOA Estimation Using a Pair of Micro phones'  
'Azimuth DOA Estimation in Y bend Antenna Array  
IOPscience**

**June 13th, 2018 - Azimuth DOA Estimation in Y bend Antenna  
Array of 2D and 3D antenna arrays for source V antenna  
arrays using a Bayesian DOA estimation criterion in'**

**'Array Signal Processing for Maximum Likelihood Direction  
June 1st, 2018 - DOA estimation with large arrays is often  
prohibitively extensive To address this challenge a robust  
solution for data reduction and thus"2 D DOA Estimation of  
LFM Signals Based on Dechirping**

**June 13th, 2018 - RADIOENGINEERING VOL 26 NO 1 APRIL  
2017 299 DOI 10 13164 re 2017 0299 SIGNALS 2 D DOA  
Estimation of LFM Signals Based on Dechirping Algorithm  
and Uniform Circle Array"particularly real world insert shift  
row Ohio Citizens for**

**June 26th, 2018 - Sat 23 Jun 2018 20 15 00 GMT doa  
estimation 3d array pdf Biography Further details can be  
found on my personal web page Sun 24 Jun 2018 19 17 00'  
'DOA estimation by 3 D microphone array in the presence of  
May 27th, 2018 - This study proposes a method to estimate  
the direction of arrival DOA for multiple sources by using  
microphone array under aliasing condition'**

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**'DOA estimation by 3 D microphone array in the presence of**  
**December 14th, 2013 - This study proposes a method to**  
**estimate the direction of arrival DOA for multiple sources by**  
**using microphone array under aliasing condition Many**  
**conve'**

**'matlab Music Algorithm for virtual array antenna Stack**  
*July 2nd, 2018 - This code works for estimation of DOA Direction*  
*of Arrival using MUSIC algorithm In this code there are 4 real*  
*antennas in an array and distance between 2 antennas are*  
*lambda 2"**Doa Estimation 3d Array PDF storage googleapis**  
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**'Vol 2 Issue 2 Aug 2015 ISSN 2349 0780 3d Blind**

*June 6th, 2018 - Abstract Direction of arrival DOA estimation is 3D*  
*array antenna can formed amp scan any space through choosing*  
*different antenna elements This"***An optimum 2 D DOA**  
**estimation algorithm with uniform**

July 14th, 2018 - ABSTRACTThis paper presents an optimum  
algorithm for two dimensional 2 D direction of arrival DOA  
estimation of a single source with uniform circular arrays UCAs"**A**  
**High E ciency 3D DOA Estimation Algorithm for Unknown**

*June 8th, 2018 - A High E ciency 3D DOA Estimation Algorithm*  
*for Liu S 8 showed a new DOA method based on new array signal*  
*data model established by sequential sampling'*

**'A real time 3D sound localization system with miniature**

July 7th, 2018 - DOA estimation methods and the A real time 3D

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sound localization system with miniature microphone array we describe the 3D array configuration and'

### **'DOA error estimation in 3D cylindrical dipole array**

July 9th, 2018 - DOA error estimation in 3D cylindrical dipole array geometries including the mutual coupling with novel 3D array geometries Reduced DOA estimation error is'

### **'Azimuth DOA Estimation in Y bend Antenna Array**

#### **IOPscience**

June 13th, 2018 - Azimuth DOA Estimation in Y bend Antenna Array of 2D and 3D antenna arrays for source V antenna arrays using a Bayesian DOA estimation criterion in"

#### **Precision of direction of arrival DOA estimation using**

June 30th, 2018 - Precision of direction of arrival DOA estimation using novel three dimensional array geometries"

#### **Direction of Arrival Estimation with Arbitrary Virtual**

July 3rd, 2018 - Direction of Arrival Estimation with Arbitrary Virtual Antenna Arrays using Low Cost employ virtual antenna arrays for DoA estimation using out in 3D The'

### **'Theoretical and experimental study of DOA estimation using**

June 25th, 2018 - 21 September 2007 Theoretical and experimental study of DOA estimation using AML algorithm for an isotropic and non isotropic 3D array"

#### **Performance of a Three Dimensional Antenna Array and Its**

June 17th, 2018 - Performance of a Three Dimensional Antenna Array and Its Application in DOA Estimation this paper shows that 3D antenna arrays have signi?cant advantages in DOA'

#### **'PERFORMANCE EVALUATION O DIRECTION OF ARRIVAL ESTIMATION**

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*June 28th, 2018 - Instead of using a single antenna an array antenna system with innovative signal processing can enhance the resolution of DOA estimation An array sensor system has multiple'*

**'Robust DOA estimation for a mimo array using two July 11th, 2018 - or the existing DOA estimation methods for MIMO array for DOA estimation their performance will degrade To solve the problem de?ne A 1 and A 2 as the ?rst and last'**

**'MUSIC Super Resolution DOA Estimation MATLAB amp Simulink**

*July 14th, 2018 - MUSIC Super Resolution DOA Estimation can represents either the broadside angle for linear arrays or the azimuth and elevation angle for planar or 3D arrays'*

**'Joint DOA and TDOA estimation for 3D localization of May 26th, 2011 - Joint DOA and TDOA estimation for 3D localization of reflective surfaces using eigenbeam MVDR and spherical microphone arrays"Exploiting AML algorithm for multiple acoustic source 2D**

*June 14th, 2018 - Exploiting AML algorithm for multiple acoustic source 2D and 3D DOA estimations on DOA estimation given by a 3D array DOA estimation in array signal"particularly real world insert shift row Ohio Citizens for*

**June 26th, 2018 - Sat 23 Jun 2018 20 15 00 GMT doa estimation 3d array pdf Biography Further details can be found on my personal web page Sun 24 Jun 2018 19 17 00"Live Direction Of Arrival Estimation with a Linear**

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**July 12th, 2018 - Live Direction Of Arrival Estimation with a  
Live Direction Of Arrival Estimation with a Linear Microphone  
Array and Combine DOA estimation across "A Low Energy  
Consumption DOA Estimation mdpi com**

**July 3rd, 2018 - Most direction of arrival DOA estimation  
approaches for conformal array suffer from high  
computational complexity which cause high energy loss for  
the direction finding system "DOA estimation based on  
MUSIC algorithm Semantic Scholar**

July 9th, 2018 - In this thesis I will give an overview of the DOA  
estimation based on MUSIC algorithm There are two research  
directions for DOA estimation self adaption array'

**'Robust DOA estimation for a mimo array using two**

*July 11th, 2018 - or the existing DOA estimation methods for  
MIMO array for DOA estimation their performance will degrade To  
solve the problem de?ne A 1 and A 2 as the ?rst and last*

**'wheeled truck madness infecting albania preschool com**

*June 13th, 2018 - Sat 02 Jun 2018 21 16 00 GMT doa estimation  
3d array pdf Array processing signal processing is a wide area of  
research that extends from the simplest form of 1 D signal*

**'Precision of direction of arrival DOA estimation using**

**June 30th, 2018 - Precision of direction of arrival DOA  
estimation using novel three dimensional array geometries'**

**'A Low Energy Consumption DOA Estimation mdpi com**

**July 3rd, 2018 - Most direction of arrival DOA estimation  
approaches for conformal array suffer from high**

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**computational complexity which cause high energy loss for the direction finding system'**

**'A New DOA Estimation Method Using a Circular Microphone Array**

**June 17th, 2018 - A NEW DOA ESTIMATION METHOD USING A CIRCULAR MICROPHONE ARRAY Amin Karbasi and Akihiko Sugiyama? School of Comp and Commun Sciences Ecole Polytechnique Fédérale de Lausanne'**

**'Theoretical and experimental study of DOA estimation using June 25th, 2018 - 21 September 2007 Theoretical and experimental study of DOA estimation using AML algorithm for an isotropic and non isotropic 3D array'**

**'A FPC ROOT Algorithm for 2D DOA Estimation in Sparse Array**

**December 23rd, 2015 - To improve the performance of two dimensional direction of arrival 2D DOA estimation in sparse array this paper presents a Fixed Point Continuation Polynomial Roots FPC ROOT algorithm'**

**'A Real Time 3D Sound Localization System with Miniature**

**June 14th, 2018 - A Real Time 3D Sound Localization System with Miniature Microphone Array for D 3D XYZO Array of the XYZO array is needed for the DOA estimation"Direction of Arrival Estimation 1 Introduction**

**July 3rd, 2018 - This allows the direction of arrival DOA estimation problem to be treated as equivalent to spectral estimation d received at the array to estimate'**

**'Fast 2D DOA Estimation Algorithm by an Array Manifold**

**June 10th, 2018 - sensors Article Fast 2D DOA Estimation**

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*Algorithm by an Array Manifold Matching Method with Parallel Linear Arrays Lisheng Yang Sheng Liu Dong Li Qingping Jiang and Hailin Cao'*

**'DOA estimation based on MUSIC algorithm DiVA portal July 29th, 2017 - In this thesis I will give an overview of the DOA estimation based on MUSIC algorithm There are two research directions for DOA estimation self adaption array'**

**'Two Dimensional DOA Estimation Using Arbitrary Arrays for June 5th, 2017 - International Journal of Antennas and Propagation is a for International Journal of Antennas and of the 3D DOA estimation and handle the" *DOA ESTIMATION WITH CO PRIME ARRAYS IN THE PRESENCE OF***

*July 2nd, 2018 - array for DOA estimation In this paper we present a method for DOA estimation with unknown mutual coupling using co prime arrays which are a new class of*

**'Adaptive Array Thinning for Enhanced DOA Estimation June 18th, 2018 - Adaptive Array Thinning for Enhanced DOA Estimation in terms of antenna positions for isotropic 2D and 3D arrays we maximize the DOA estimation performance for'**

**'A real time 3D sound localization system with miniature July 7th, 2018 - DOA estimation methods and the A real time 3D sound localization system with miniature microphone array we describe the 3D array configuration and'**

**'Estimation of dominant sound source with three microphone June 15th, 2018 - ESTIMATION OF DOMINANT SOUND SOURCE WITH THREE MICROPHONE ARRAY Estimation of dominant sound source on DOA estimation using a microphone**

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array placed in'

**'Wideband DOA Estimation for Uniform Linear Arrays Based on**

*June 25th, 2018 - Wideband DOA Estimation for Uniform Linear Arrays Based on the Co Array DOA estimation is an important area in array signal processing 1 0 d 2d 3d M 1 d'*

**'DOA estimation by 3 D microphone array in the presence of December 14th, 2013 - This study proposes a method to estimate the direction of arrival DOA for multiple sources by using microphone array under aliasing condition Many conve'**

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**July 2nd, 2018 - array for DOA estimation In this paper we present a method for DOA estimation with unknown mutual coupling using co prime arrays which are a new class of'**

**'matlab Music Algorithm for virtual array antenna Stack**

**July 2nd, 2018 - This code works for estimation of DOA Direction of Arrival using MUSIC algorithm In this code there are 4 real antennas in an array and distance between 2 antennas are  $\lambda/2$ '**

**'Features Phased Array System Toolbox MATLAB**

*July 8th, 2018 - Estimate the DOA of a Phased Array System Toolbox You can define your own array geometry by specifying the position and orientation of each element in 3D'*

**'Biquaternion Model of Vector Hydrophone Array and DOA**

*June 29th, 2018 - Measurement Technology and its Application*

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*Biquaternion Model of Vector Hydrophone Array and DOA Estimation Algorithm*"

## **PERFORMANCE EVALUATION OF DIRECTION OF ARRIVAL ESTIMATION**

**June 28th, 2018 - Instead of using a single antenna an array antenna system with innovative signal processing can enhance the resolution of DOA estimation An array sensor system has multiple'**

**'Novel two dimensional DOA estimation with L shaped array**

*June 23rd, 2018 - Two dimensional 2D direction of arrival DOA estimation has played an important role in array signal processing In this article we address a problem of blind 2D DOA estimation with L shaped array This article links the 2D DOA estimation problem to the trilinear model To exploit this link we'*

**'Antenna Array Mapping for DOA Estimation in Radio Signal**

**January 22nd, 2016 - Antenna Array Mapping for DOA**

**Estimation in Radio Signal Reconnaissance Per Hyberg**

**TRITA?S3?SB?05 001 ISSN 1103 8039 ISRN KTH SB R 05 001 SE'**

**'Vol 2 Issue 2 Aug 2015 ISSN 2349 0780 3d Blind**

**June 6th, 2018 - Abstract Direction of arrival DOA estimation is 3D array antenna can formed amp scan any space through choosing different antenna elements This'**

**'Joint DOA and TDOA estimation for 3D localization of**

**May 26th, 2011 - Joint DOA and TDOA estimation for 3D localization of reflective surfaces using eigenbeam MVDR and spherical microphone arrays'**

## **'DIRECTION OF ARRIVAL ESTIMATION IN PASSIVE SONAR SYSTEMS**

*July 9th, 2018 - applying new spatial extrapolation techniques*

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*called 2D and 3D fast orthogonal search Figure 2 15 DOA estimation for nonuniform linear array of DIFAR*

**sonobuoy'**Thinned Coprime Arrays for DOA Estimation arXiv December 15th, 2017 - Thinned Coprime Arrays for DOA Estimation beamforming and direction of arrival DOA estimation One class of sparse arrays is the coprime array composed of two'

'Antenna Array Mapping for DOA Estimation in Radio Signal January 22nd, 2016 - Antenna Array Mapping for DOA Estimation in Radio Signal Reconnaissance Per Hyberg TRITA?S3?SB?05 001 ISSN 1103 8039 ISRN KTH SB R 05 001 SE"Direction of Arrival Estimation Using a Sparse July 9th, 2018 - IEEE TRANSACTIONS ON SIGNAL PROCESSING VOL 59 NO 9 SEPTEMBER 2011 4489 Direction of Arrival Estimation Using a Sparse Representation of Array Covariance Vectors"Exploiting AML algorithm for multiple acoustic source 2D

June 14th, 2018 - Exploiting AML algorithm for multiple acoustic source 2D and 3D DOA estimations on DOA estimation given by a 3D array DOA estimation in array signal'

'Live Direction Of Arrival Estimation with a Linear July 12th, 2018 - Live Direction Of Arrival Estimation with a Live Direction Of Arrival Estimation with a Linear Microphone Array end Combine DOA estimation across"Direction of Arrival Estimation Using Co prime Arrays A April 24th, 2018 - Direction of Arrival Estimation Using Co prime Arrays A Super Resolution Viewpoint DOA estimation using array processing has focused primar'

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Estimation 3d Array at our Ebook Library Get Doa Estimation  
3d Array PDF file for free from our online library'**

**'Beamforming for Direction of Arrival DOA Estimation A  
Survey**

July 7th, 2018 - for a specific direction of arrival DOA depends on the array response alone and can be pre calculated used DOA estimation techniques is made first'

**'DOA estimation by 3 D microphone array in the presence of  
May 27th, 2018 - This study proposes a method to estimate  
the direction of arrival DOA for multiple sources by using  
microphone array under aliasing condition'**

**'Direction of Arrival Estimation Using a Sparse**

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**June 14th, 2018 - A Real Time 3D Sound Localization System  
with Miniature Microphone Array for D 3D XYZO Array of the  
XYZO array is needed for the DOA estimation'**

**'2 D DOA Estimation for L Shaped Array With Array Aperture  
December 31st, 2017 - A two dimensional 2 D direction of arrival  
DOA estimation method for L shaped array with automatic pairing  
is proposed It exploits the conjugate symmetry property of the  
array manifold matrix to increase the effective array aperture and**

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the number of virtual snapshots simultaneously and then'

**'Two Dimensional DOA Estimation Using Arbitrary Arrays for June 9th, 2018 - Two Dimensional DOA Estimation Using Arbitrary Arrays for To empower the 3D beam forming precise estimation of both algorithm for DOA estimation is"3 D array configuration using multiple regular tetrahedra**

June 3rd, 2018 - This paper presents a novel 3 D array configuration using multiple regular tetrahedra which enables high resolution 2 D DOA estimation The proposed array configuration has better DOA estimation performance as that of the conventional 3 D array configuration for uncorrelated waves and can be rearranged into the cuboid array configuration which'

**'DOA Estimation Slides Eigenvalues And Eigenvectors June 25th, 2018 - DOA Estimation Slides Uploaded by 3D search non uniform Array Processing Elevation Miguel Angel Lagunas DOA Estimation 24 Array factor dB 8376 20 Array'**

**'STAP approach for DOA estimation using microphone arrays July 1st, 2018 - STAP approach for DOA estimation using microphone arrays a two dimensional microphone array is proposed to be used for DOA The DOA estimate is" *Capability of the direction of arrival estimation using a***

*June 27th, 2018 - Capability of the direction of arrival estimation using a 3D acoustic compact array the 3DCA array structure and the corresponding phase difference DOA estimation'*

**'wheeled truck madness infecting albania preschool com June 13th, 2018 - Sat 02 Jun 2018 21 16 00 GMT doa estimation 3d array pdf Array processing signal processing is a wide area of research that extends from the simplest form of 1 D signal" Estimation of dominant sound source with**

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three microphone

June 15th, 2018 - ESTIMATION OF DOMINANT SOUND SOURCE WITH THREE MICROPHONE ARRAY Estimation of dominant sound source on DOA estimation using a microphone array placed in "Performance of a Three Dimensional Antenna Array and Its

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'3 D ARRAY CONFIGURATION USING MULTIPLE REGULAR TETRAHEDRA

July 12th, 2018 - 3 D ARRAY CONFIGURATION USING MULTIPLE REGULAR TETRAHEDRA FOR HIGH RESOLUTION 2 D DOA ESTIMATION Yuki Doi Koichi Ichige Hiroyuki Arai Hiromi Matsuno Masayuki Nakano'

'JOINT DOA AND TDOA ESTIMATION FOR 3D LOCALIZATION OF

July 9th, 2018 - JOINT DOA AND TDOA ESTIMATION FOR 3D LOCALIZATION OF REFLECTIVE SURFACES USING EIGENBEAM MVDR AND SPHERICAL MICROPHONE ARRAYS Haohai Sun 1 Edwin Mabande 2 Konrad Kowalczyk 2 and Walter Kellermann 2'

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*and Hailin Cao"2 D DOA Estimation of LFM Signals Based on Dechirping*

*June 13th, 2018 - RADIOENGINEERING VOL 26 NO 1 APRIL*

*2017 299 DOI 10 13164 re 2017 0299 SIGNALS 2 D DOA*

*Estimation of LFM Signals Based on Dechirping Algorithm and Uniform Circle Array'*

**'3 D ARRAY CONFIGURATION USING MULTIPLE REGULAR TETRAHEDRA**

*July 12th, 2018 - 3 D ARRAY CONFIGURATION USING*

*MULTIPLE REGULAR TETRAHEDRA FOR HIGH RESOLUTION*

*2 D DOA ESTIMATION Yuki Doi Koichi Ichige Hiroyuki Arai*

*Hiromi Matsuno Masayuki Nakano" DOA error estimation in 3D cylindrical dipole array*

*July 9th, 2018 - DOA error estimation in 3D cylindrical dipole array*

*geometries including the mutual coupling with novel 3D array*

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