

Speech Forgery Detection Based On Complementary Behavior of Ears

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Abstract: The following paper is a implementation of speech forgery detection by our two ear system seen in human species.

Keywords: two back propagation neural networks, parallel connection

1. INTRODUCTION

The following paper is an implementation of speech forgery detection by our two ear system seen in human species.

2. Speech forgery detection from Image forgery detection

Analysis of Image forgery detection mentioned in the reference the algorithm is extended to speech forgery detection.

Image and speech are considered identical with a different base and cardinality of base.

Image is considered to be in two dimensional basis. Analysis of Image forgery detection mentioned in the reference the algorithm is extended to speech forgery detection.

Image and speech are considered identical with a different base and cardinality of base.

Image is considered to be in two dimensional basis. Speech is considered in a different three dimensional base. All functions in the previous work are mapped and approximated into 3 dimensional base. Speech is considered in a different three dimensional base. All functions in the previous work are mapped and approximated into 3 dimensional base.

3. Taking the training data

The input data sequence is considered from the speech signal base to image signal base and the input vectors of size 1x5 is taken on this basis. This input is given differentially into two

such trained back propagation neural network simulating our ears.



[G1 G2 G3 G10 G11] given as input where G10 and G11 are from the next matrix.

4. ACKNOWLEDGMENTS

Our thanks to the experts who have contributed towards development of the template.

5. REFERENCES

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