Speaker Recognition using Neural Networks and MFCC Features

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Abstract

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**Index Terms**: speech recognition, mel-frequency cepstral coefficients, neural networks, feature extraction

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An example of a table is shown in Table 1. The caption text must be above the table.

Table 1: *This is an example of a table.*

|  |  |
| --- | --- |
| Ratio | Decibels |
| 1/1 | 0 |
| 2/1 | ≈ 6 |
| 3.16 | 10 |
| 1/10 | 20 |
| 10/1 | -20 |
| 100/1 | 40 |
| 1000/1 | 60 |

Figure 1: *Schematic diagram of speech production.*

## Equations

Equations should be placed on separate lines and numbered. Examples of equations are given below. Particularly,

 (1)

where  is a special warping function

 (2)

A residue theorem states that

 (3)

Applying (3) to (1), it is quite straightforward to see that

 (4)

Finally we have proven the secret theorem of all speech sciences. No more math is needed to show how useful the result is!

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|  |  |
| --- | --- |
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| Author | Author name |
| Affiliation | Author affiliation |
| Email | Email address |
| AbstractHeading | Abstract section heading |
| Body Text | First paragraph in abstract |
| Body Text Next | Following paragraphs in abstract |
| Index | Index terms |
| 1. Heading 1 | 1st level section heading |
| 1.1 Heading 2 | 2nd level section heading |
| 1.1.1 Heading 3 | 3rd level section heading |
| Body Text | First paragraph in section |
| Body Text Next | Following paragraphs in section |
| Figure Caption | Figure caption |
| Table Caption | Table caption |
| Equation | Equations |
| • List Bullet | Bulleted lists |
| [1] Reference | References |

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# Conclusions

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