AUTHOR GUIDELINES FOR MLSP PROCEEDINGS MANUSCRIPTS

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ABSTRACT

The abstract should appear at the top of the left-hand column of text, about 0.5 inch (12 mm) below the title area and no more than 3.125 inches (80 mm) in length. Leave a 0.5 inch (12 mm) space between the end of the abstract and the beginning of the main text. The abstract should contain about 100 to 150 words, and should be identical to the abstract text submitted electronically along with the paper cover sheet. All manuscripts must be in English, printed in black ink.

Index Terms— One, two, three, four, five

1. INTRODUCTION

This is a good paper.

2. CNN-CNN AUTOENCODER

The approximation $\hat{X}$ for a given spectrogram X is computed as follows:

$$\begin{aligned}\hat{H}(k,t) =&(\sum_{f,t'} X(f,t-t')F_e(f,t',k))\\ \hat{X}(f,t) =&\sum_{k}\sum_{t'}\hat{H}(k,t-t')F_d(f,t',k)\end{aligned} \tag{1}$$

3. RNN-CNN AUTOENCODER

This is the same as CNN-CNN case, except the computation of the activations H. In the CNN encoder, each filter was of finite length. With RNN-CNN version, we are attempting to use an infinite length filter. The computation of $\hat{H}$ is as follows:

$$\begin{aligned}Z(:,k,t) =&\sigma(WZ(:,k,t-1)+UX(:,t))\\ \hat{H}(k,t) =&\sum_{f} Z(f,k,t)\end{aligned} \tag{2}$$

Thanks to XYZ agency for funding.

4. REFERENCES

List and number all bibliographical references at the end of the paper. The references can be numbered in alphabetic order or in order of appearance in the document. When referring to them in the text, type the corresponding reference number in square brackets as shown at the end of this sentence [**?**].

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