



Fish recognition using deep convolutional neural network and data augmentation

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ABSTRACT

This document serves as a template to prepare your poster for The 35th Chinese Control Conference (CCC2016). The electronic copy of this document is available at the CCC2016 website. After the electronic copy of the poster is ready, print it out in the size specified in this template. Then, taking it with you and putting it up at specified places when you come to the conference.

SOFTWARE DOWNLOAD

The authors could download suitable software at <http://www.ctex.org/CTeXDownload> where a basic version (v2.9.2.164 (203M)) and a full version (v2.9.2.164 Full (1.31G)) are provided. You can install the software and use it to prepare the latex version of the poster.

FORMATTING INSTRUCTIONS

Style files and templates provided here have been created to ensure that margin requirement is adequately met. If, for some reason, you are not able to use the provided templates or style files, please strictly adhere to the margins of this template.

POSTER SIZE

The electronic version of the poster should be prepared within the size of **A0** paper, however, it will be mounted to a poster standard in the size:

$$\text{Height} \times \text{Width (mm}^2\text{)} = 1000 \times 900 \text{ (mm}^2\text{)}$$

Thus, in order to make the poster match the poster stand, the A0-size poster, when printed out, must be zoomed out to the size of

$$\text{Height} \times \text{Width (mm}^2\text{)} = 1000 \times 707 \text{ (mm}^2\text{)}$$

Additionally, the page margins of the poster are listed in Table 1:

Table 1: Page Size

Items	Size
Paper Size	1200 × 850 (mm ²)
Top Margin	20.5 mm
Left Margin	20 mm
Right Margin	20 mm
Bottom Margin	≥15 mm
Margins between boxes	10 mm

ACKNOWLEDGEMENT

Appreciations to specific institutions, organizations or someone else that contribute to your research can be added here. Particularly, if the research is financially sponsored by research fundings, grant numbers from the sponsored organizations are required.

MATHEMATICAL FORMULAS

Latex Authors: please try to use the math equations environment contained in this section. Mathematical formulas should be roughly centered and numbered consecutively using Arabic numbers.

$$M(\ddot{X}_r - \ddot{X}) + B(\dot{X}_r - \dot{X}) = F_d - F_e \quad (1)$$

Particularly, if the equation is a little bit long, one can use the command `\small \dots` right around the mathematical formulas for size reduction, as given in equation (??)

$$M(\ddot{X}_r - \ddot{X}) + B(\dot{X}_r - \dot{X}) = F_d - F_e \quad (2)$$

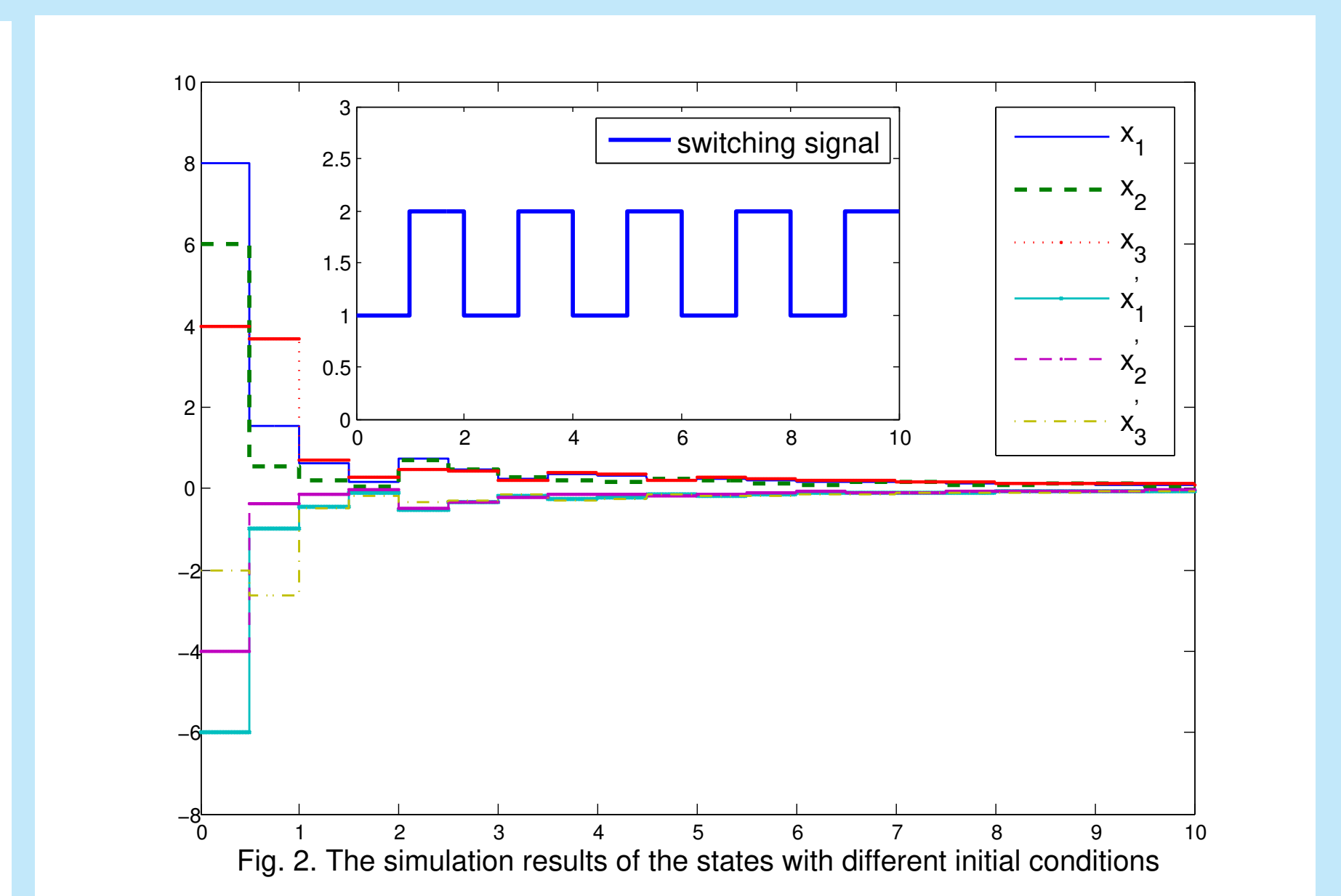
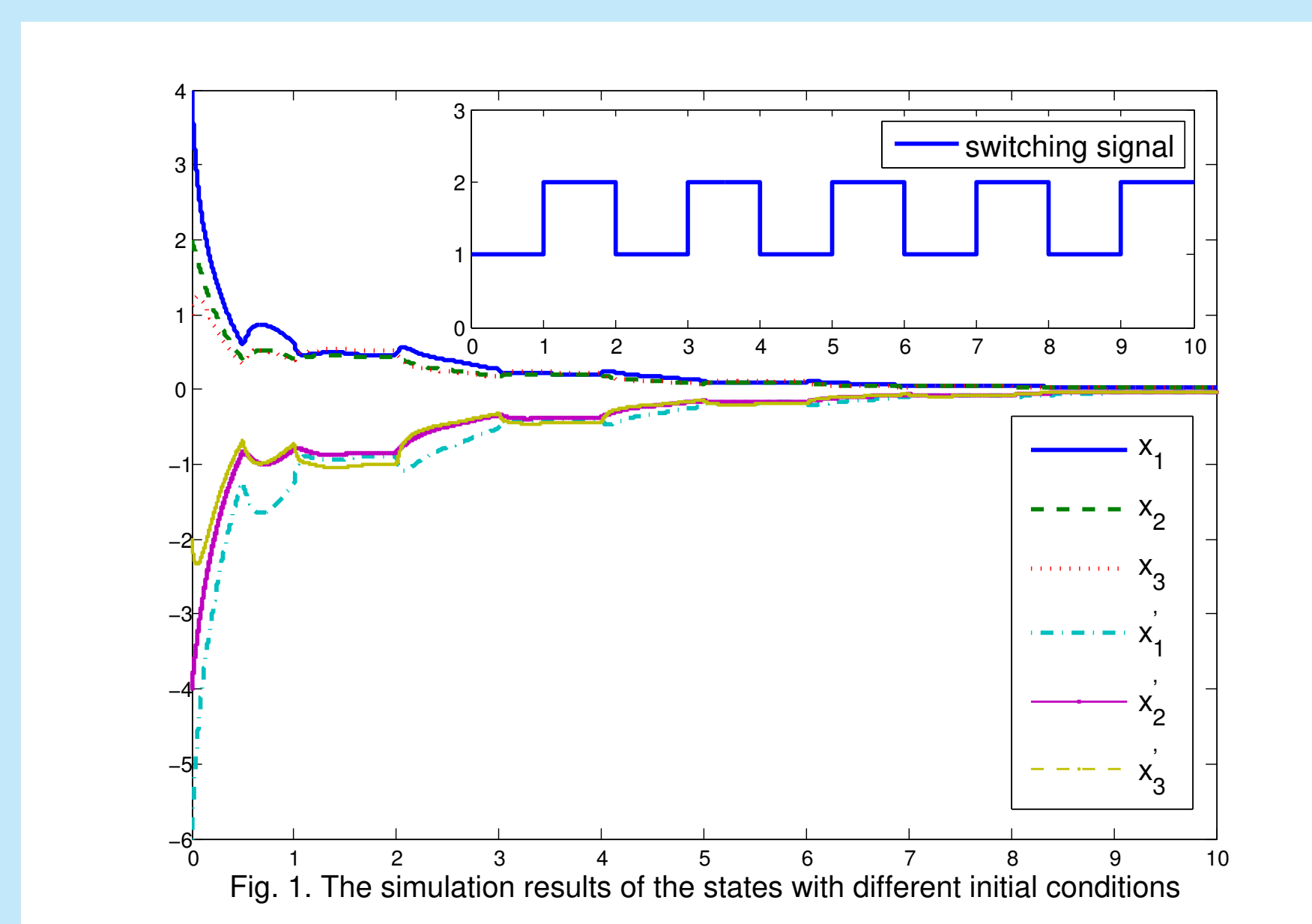
or even smaller size with `\smaller \dots` as shown in (??)

$$e_{ss} = \lim_{s \rightarrow 0} \frac{(ms^4 + bs^3 + ks^2)F_d(s) + s^2 k_e \left(\frac{x_e}{s} - X_r(s) \right)}{ms^3 + (b + k_e k_d)s^2 + (k + k_e k_p)s + k_e k_i} \quad (3)$$

It should be noted that the size of all the Mathematical Formulas in your poster must be the same.

FIGURES

All illustrations should be original drawings or photographic prints of originals, and should be glossy prints. All figures should be centered in the section. Figure captions are not strictly required, so place the figures as close as possible to where they are mentioned in the main text. The size of a figure can be changed accordingly, however, no part of a figure should go beyond the typing area. All the figures that included in the poster should be transformed into and used with *.eps* format.



TABLES

All tables must be centered in the column and numbered consecutively in Arabic numbers. Table headings should be placed above the table, as given in Table 1.

CONCLUSION

One should note that this is only a template for the CCC2016 poster, and the number of the block can be modified freely based on the arrangement of your paper. It is suggested that poster authors use the given poster template, however, the authors are also encouraged to make their personalized posters. No matter what template is used, the format requirements in this template should be strictly followed.

We would like to stress again that if your paper does not present in the conference, your paper would not be arranged in the programming book.

REFERENCES

References should be listed by order and the reference items are represented as Arabic numbers in square brackets. The authors can decide whether the references section is included or not, however, only key references are required.

It should be note that change of the references should go to the file *sample.bib* included in the decompressed file CCC2016-Latex-poster. The edit of *sample.bib* can be performed by either the Latex software or Notebook of the computer.