# Projet de fin de module - Mixture of Experts (MoE)

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## Abstract

*The paragraph corresponding to the summary must be written with 10-point letter, in italics. The word **Abstract** must be centered, and separated three lines from the last author's address. Between the title and the first author leave a space of two lines.*

## 1 FORMAT GENERAL INSTRUCTIONS (12-point, bold)

The works must be in paper format of 21 cm x 29.7 cm. The text must be written in Times New Roman at 10 points, and at two columns, with a total width of 16 cm; Each column must have a width of 7.6 cm, with a space between columns of 0.8 cm. The text it will have a simple line spacing and it must be justified. Leave a line between paragraphs.

The upper margin should be 2.5 cm and the lower margin should be 3 cm. The margins left and right should be 2.5 cm.

## 2 SECTIONS, NOTES, CITES, FIGURES, EQUATIONS, TABLES AND REFERENCES (12-point, bold)

### 2.1 SECTIONS AND SUBSECTIONS

#### 2.1.1 Subsection

If there were more subsections, they would have the same format as this subsection. Both the titles of the sections and those of the subsections are with indentation and aligned to the left.

### 2.2 FOOTNOTES

Do not include header or footer of page.

### 2.3 CITATION

Citation within the text should include the reference number between square brackets, for example [1].

### 2.4 FIGURES

All the figures must be centered and clear. The number of the figure and the legend will always appear at the bottom of the figure. Each figure must be numbered correlatively and must be referenced in the text. Leave a line between the text of the paragraph and the figure.
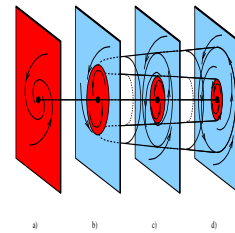


Figure 1: Example of caption of a figure

### 2.5 EQUATIONS

Equations must be centered and numbered correlatively, leaving a line between the text and the equation both before and after, or between two consecutive equations. Reference the equations by their numbering.

$$\mu_A(x) = \exp\left(\frac{-(x - \mu_A(x))^2}{2\sigma_A^2}\right) \qquad (1)$$

### 2.6 TABLES

All tables must be referenced in the text, as has done in the table 1, centered and clear. The number and title they will always appear at the top of the table, leaving a spacing of a line between the text of the paragraph and the table. The tables should be numbered correlatively.

### Acknowledgement

The word **Acknowledgment** must be aligned to the left, unnumbered and in bold. All acknowl-

Table 1: Example of title of a table.

| Name | Description |
|:---:|:---|
| $A$ | Fuzzy subset of $X$ |
| $\mu_A$ | Membership function of $A$ |

edgments must appear at the end.

# References

[1] Pedrycz, W., (1993) Fuzzy sets and fuzzy systems, Research Studies Press, England.

[2] Zadeh, L., (1965) "Fuzzy logic", *Fuzzy Sets and Systems*, pp 100-106.

They must be listed in alphabetical order and justified by the corresponding file.