

Responses on the reviewer's comments on the thesis entitled "Fuzzy Geometry and Its Application in Optimization and Rule Interpolation"

General Comment: We would like to thank the examiners for timely assessing the thesis. We sincerely acknowledge and appreciate their valuable comments and suggestions. Based on their comments, we have revised the manuscript and removed all typographical and grammatical errors to the best of our knowledge, including the followings.

Here is the list of corrections done as suggested by the reviewers:

Reviewer-1 (Foreign Examiner)

Comments: In general, the writing of the manuscript is very good, and apart from a very small issues of grammar, the quality of language is at a very acceptable level.

Response: We have changed the following grammatical errors:

1. Page 63, line-1, "The linear objective function has to be optimize" should be replaced by "The linear objective function has to optimize".
2. Page 65, line-18, "The proposed graphical method solve..." should be replaced by "The proposed graphical method solves...".
3. Page-66, line-16, "Tn their,..." should be replaced by "In their,...".
4. Page-67, line , "Visualization and understanding ... line is frist step" should be replaced by "Visualization and understanding... line are first step".
5. Page-109, line-11, "...the a fuzzy set..." should be replaced by "...the fuzzy set...".
6. Page 109, line12, "...transformed into a another fuzzy set..." should be replaced by "...transformed into another fuzzy set...".
7. Page 117, line-20, "...an monotonically..." should be replaced by "...a monotonically...".

Reviewer-2 (Indian Examiner)

There are no corrections suggested.