

Response to Reviewer's Comments

Manuscript Title: A New Robust Pole Placement Stabilization for a Class of Time-Varying Polytopic Uncertain Switched Nonlinear Systems under Arbitrary Switching"

Journal: Control Engineering and Applied Informatics Journal

Dear Professor:

Thank you for the time and effort you have allotted to reviewing my paper. We have taken into consideration your remarks and the paper has undergone deep revision and we hope it is now suitable for publication.

Reviewer's comments:

Reviewer # 1:

Thanks for all your efforts to evaluate the paper and point to the mistakes encountered. We would like to inform you that all the remarks have been taken into consideration and the necessary modifications have been made.

Major comments

1. The word “validation” appears four times in the paper, but not in a good acceptance in connection with two illustrative examples. It must be taken into account that examples are not appropriate to validate a theory. Usually they only illustrate the results of a theory or, in certain cases? As counter examples, they can invalidate a theory.

Answer:

Thank you for this remark which is considered. Indeed, we are in agreement that these examples are not appropriate to validate the theory, for this the word “validation” is replaced by “application”

2. The Introduction seems to be too large and it could be shortened.

Answer:

This remark is considered and we hope now that the introduction part is with the standards.

3. Relation (or the numbering) (23) was omitted.

Answer:

We are sorry for our mistake, the mistake has been corrected

Reviewer # 2:

Thanks for all your efforts to evaluate the paper and point to the mistakes encountered. We would like to inform you that all the remarks have been taken into consideration and the necessary modifications have been made. Indeed, in this document, the majority of language and typos problems have been rectified.

1. Page 2, first (left) column, 29th row from the top: say "matrix properties" not "matrix proprieties".

Answer:

Thanks for this remark which is considered.

2. Page 2, second (right) column at the Notations part: It is not correct but senseless to write "Denote the set of eigenvalues of matrix $\lambda(M)$ denote the set of eigenvalues of matrix M " but you should write for instance "Denote by $\lambda(M)$ the set of eigenvalues of matrix M ."

Answer:

The mistake has been corrected.

3. page 3, first (left) column, Definition 2 : this is not a Definition but it is formulated as a theorem. Give a proper definition.

Answer:

Thanks for this pertinent remark which is considered. We hope now that Definition 2 is presented as a definition.

4. Page 3, second (right) column under formula (9) : you should write "under the switching signal $\sigma(t)$ "

Answer:

This remark is considered.

5. Page 4, first (left) column, above formula (16): the sentence "Led to the following change of variable" is senseless - it should be connected to another which is not obvious. Put better: Consider the following state variables for system (15)...

Answer:

The mistake has been corrected.

6. Page 6, second (right) column, third row from the top: (49) does not signify "a change of variable" but rather the introduction of state variables.

Answer:

Thanks for this remark which is considered.

7. page 7, left column : reformulate Example 1 description to make it intelligible, because the English is very poor.

Answer:

The majority of language problems also the formulation of Example 1 have been rectified. We hope that Example 1 is now well presented.

8. Check carefully the Reference list since there are many typos. In particular, due to your Reference software (possibly BibTex) if you have more than 3 authors in your reference, not all names are given completely: see for instance the first two references (where are the initials of Aleksandrov?)

Answer:

Thank you for this pertinent remark which is considered. We hope now that the Reference list is well presented.