

Todo list

Abstract	2
Introduce GSA for model reduction/simplification in general	2
Talk about parameter based approaches (cite previous papers)	2
Talk about Petzold work	2
Talk about what types of models this applies to	2
Re-derive/show Petzold work?	2
Show our generalization	2
Find “baby example” that is easy to understand how everything works	3
Find “baby example” that shows example of our method working better than the parameter method (possibly same one as before)	3
Talk about NVU model	3
Show parameter results	3
Show “petzold” results	3
Conclusion	3

TITLE

AUTHORS

Received: date / Accepted: date

Abstract

Abstract

Keywords KEYWORD · KEYWORD

1 Introduction

1.1 GSA

Introduce GSA for model reduction/simplification in general

1.2 TITLE

Talk about parameter based approaches (cite previous papers)

1.3 TITLE

Talk about Petzold work

2 Generalization of Petzold's Work

Talk about what types of models this applies to

Re-derive/show Petzold work?

Show our generalization

R.M.P. Morillo

Department of Mathematics, North Carolina State University, Raleigh, NC, USA, E-mail: rmmorill@ncsu.edu

P.A. Gremaud

Department of Mathematics and Graduate School, North Carolina State University, Raleigh, NC, USA, E-mail: gremaud@ncsu.edu

T. David

Department of Mechanical Engineering, University of Canterbury, New Zealand, E-mail: tim.david@canterbury.ac.nz

3 Example Applications

3.1 “Baby” Examples

Find “baby example” that is easy to understand how everything works

Find “baby example” that shows example of our method working better than the parameter method (possibly same one as before)

3.2 NVU Model

Talk about NVU model

Show parameter results

Show “petzold” results

4 Conclusion

Conclusion

5 Acknowledgments

References