

A Well-Balanced Stochastic Galerkin Method for PDEs with Random Forcing

Abhijit Chowdhary* and Andrew Shedlock*

Last Edited: April 29, 2022

Contents

1	Introduction	2
2	Preliminaries	2
3	Methods	2
4	Results	2
5	Conclusion	2

*Department of Mathematics, North Carolina State University, Raleigh, NC 27695, USA (achowdh2@ncsu.edu, ajshedlo@ncsu.edu)

1 Introduction

[JXZ15]

2 Preliminaries

3 Methods

4 Results

5 Conclusion

References

- [JXZ15] Shi Jin, Dongbin Xiu, and Xueyu Zhu. “A Well-Balanced Stochastic Galerkin Method for Scalar Hyperbolic Balance Laws with Random Inputs”. In: *Journal of Scientific Computing* 67.3 (Nov. 2015), pp. 1198–1218. DOI: 10.1007/s10915-015-0124-2.