

Numerical Methods for Finance

Second Order Discretization Schemes for CIR Processes

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Outline

- 1 Discretizing CIR Processes
- 2 Dealing with Higher Order Schemes
- 3 Simulation Results
- 4 Using the Heston Model

Introduction

- What is the problem
- What does it matter?
- How we solved it = What we are going to tell you

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Discretizing CIR Processes

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Dealing with Higher Order Schemes

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Simulation Results

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Using the Heston Model

Using the Heston Model

Conclusion

- First thing we did
- Second thing we did
- Third thing we did

Thank you!

`github.com/tjespel/discretization-cir-processes`