LaTeX Example

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Abstract

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1 Introduction

1.1 Background

This is a LaTeXdocument.

1.2 Math

This is an stochastic differential eqation:

$$\begin{cases} dX(t) = f\big(X(t)\big)dt + \sum_{r=1}^{m} g_r\big(X(t)\big) \circ dW_r(t), \quad t \in [0,T], \\ X(0) = X_0, \end{cases} \tag{1}$$

where $f(x) \in \mathbb{R}^n$ is called the drift.

Equation 1 is an SDE.

- First .....
  - aaaaa
  - bbbbb
- Second .....
- Third ....

1. First .....
2. Second .....

- aaaaaaaa
- bbbbbbbb

3. Third ....

1.3 Figure

Figure 1 is a path of an one dimensional Wiener Process.

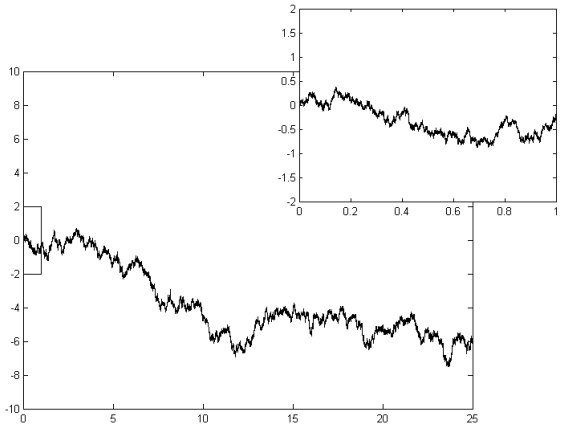

Figure 1: This is the figure caption.

1.3.1 Table

A	B	C	D	E	F
1	2	3	4	5	6
7	8	9	10	11	12

Table 1: This is the table caption.

1.4 Citation

This is a citation[1].

References

[1] David Silver, Aja Huang, Chris J. Maddison, Arthur Guez, and Demis Hassabis. Mastering the game of Go with deep neural networks and tree search. *Nature*, 529(7587):484–489, 2016.