

# Connectors: Refinement and test case generation using Z3

Sihan Wu<sup>1</sup> and Xueyi Tan<sup>2</sup>

<sup>1</sup> Yuanpei College, Peking University, No.5 Yiheyuan Road, Haidian District, Beijing 100871, China,

2300017743@stu.pku.edu.cn,

<sup>2</sup> School of Mathematical Sciences, Peking University, No.5 Yiheyuan Road, Haidian District, Beijing 100871, China,  
2300010816@stu.pku.edu.cn

**Abstract.** test. test.

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## 1 Preliminaries

### 1.1 The coordination language Reo

### 1.2 Z3

## 2 Modeling Connectors

### 2.1 Basic connectors

### 2.2 Timer connectors

### 2.3 Probabilistic connectors

### 2.4 Composing connectors

### 2.5 Refinement of connectors

## 3 Refinement checking and test case generation in Z3

### 3.1 Test case for connectors

### 3.2 Refinement checking

## References

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