

## Contents

<b>ABSTRACT</b> .....	<b>II</b>
<b>摘要</b> .....	<b>III</b>
<b>CONTENTS</b> .....	<b>IV</b>
<b>1 INTRODUCTION</b> .....	<b>1</b>
<b>2 METHODOLOGIES</b> .....	<b>3</b>
2.1 MEMBERSHIP FUNCTION .....	3
2.2 FUZZY NUMBERS .....	4
2.3 GETTING A CONTINUOUS FUZZY DATA .....	8
2.4 RANKING FUZZY DATA .....	11
<b>3 NONPARAMETRIC TESTS WITH FUZZY DATA</b> .....	<b>16</b>
3.1 ONE-SAMPLE SIGN TEST WITH FUZZY DATA .....	16
3.2 WILCOXON SIGNED-RANKS TEST WITH FUZZY DATA .....	18
<b>4 APPLICATIONS</b> .....	<b>21</b>
<b>5 CONCLUSIONS</b> .....	<b>24</b>
<b>6 REFERENCE</b> .....	<b>25</b>