TABLE OF CONTENTS

1. INTRODUCTION 1

2. THE GAME-THEORETIC MODEL AND EQUILIBRIUM SETS 7
   2.1 The Game Model 7
   2.2 Pure Strategy Equilibria 9
   2.3 One-Step and Iterative Elimination of Weakly Dominated Strategies 16

3. EXPERIMENTAL DESIGN AND ORGANISATION OF THE EXPERIMENT 25

4. EXPERIMENTAL RESULTS 31
   4.1 General Results 31
      4.1.1 Offer and Acceptance Behaviour of Inexperienced Subjects - Observed Behaviour versus Equilibrium Behaviour 31
      4.1.2 Analysis of First-Level Experienced and Second-Level Experienced Subjects 39
   4.2 Behavioural Characteristics and Learning Behaviour 45
      4.2.1 Frequency of Adjustment and Variation of Settlement Offers and Acceptance Limits 46
      4.2.2 Prominence Level 49
      4.2.3 First-Round Values and Decision Heuristics 53
      4.2.4 Litigation Behaviour 60
      4.2.5 Simultaneous Adjustment of Settlement Offers 65
      4.2.6 Machiavellianism and Tendency of Adjustment 67
      4.2.7 Polarization of Plaintiffs' Acceptance Limits in the Second Play 74

5. LEARNING THEORIES 77
   5.1 Alternative Approaches to Learning 77
   5.2 A Descriptive Theory for the Adjustment Behaviour 81
   5.3 Deviations from Direction Learning 85
   5.4 Learning Theory of the Polarization Effect 89
   5.5 Discriminant Analysis of the Polarization Effect 93
   5.6 Summary of Experimental Findings 95

6. MONTE-CARLO SIMULATIONS AND TESTING OF LEARNING DIRECTION THEORY AGAINST A SIMPLE ALTERNATIVE THEORY 99
6.1 Monte-Carlo Approach to our Models of Learning Direction Theory and the Simple Alternative Theory.....99
6.2 Modeling of Direction Learning and the Experimental Design.....101
6.3 Estimation of the Adjustment Curves of Inexperienced and Experienced Subjects.....106
6.4 Relative Frequencies of Deviations from Direction Learning 111
6.5 Increments of Settlement Offers and Acceptance Limits 114
6.6 Tests for the Comparison of the Two Alternative Theories.....116

7. COMPARISON OF THE RESULTS OF DIRECTION LEARNING AND THE SIMPLE ALTERNATIVE THEORY 121
7.1 Results of the First Play 121
7.1.1 Distributions of Means.....122
7.1.2 Results of the Scoring Rule 125
7.2 Results of the Second Play.....127
7.2.1 Distributions of Means.....128
7.2.2 Results of the Scoring Rule 131
7.3 Results of the Third Play 132
7.3.1 Distributions of Means.....133
7.3.2 Results of the Scoring Rule 135
7.4 Summary of the Simulations and the Comparison of the Two Theories.....137

8. SUMMARY 141

APPENDIX A.....143

APPENDIX B 149

APPENDIX C 151

APPENDIX D 155

REFERENCES.....171