

Content

1 Introduction 4

1.1 Research Motives and Contributions 6

2 Goals of dissertation 7

3 Penalized Local Search Algorithm..... 8

3.1 Solution Features 8

3.2 Increased Cost Function 8

3.3 Penalty Modifications 9

3.4 Regularisation Parameter 9

3.5 Definition of an aspiration criterion 10

4 Experiments..... 12

5 The gallery of testing functions..... 13

6 Travelling salesman problem 16

7 Conclusion and Further work 19

References 21

Selected publication in relation to given problem..... 30

Other publications by author 30