

INTRODUCTION.....	5
1 EQUILIBRIUM IN THE OLIGOPOLISTIC MARKET.....	7
1.1 Cournot equilibrium	8
1.2 The Cournot equilibrium and the game theory.....	10
1.3 The Bertrand equilibrium	12
1.4 Edgeworthov model and Bertrand-Edgeworthova equilibrium.....	14
1.5 Other equilibria in the oligopolistic market.....	15
1.6 Dynamic oligopoly model	20
2 EQUILIBRIUM IN THE PARTIAL DIFFERENTIATION OF COMPANIES PRODUCTION	23
2.1 Equilibrium in quantitative competition of companies	25
2.2 Equilibrium in price competition of companies.....	28
2.3 Equilibrium in mixed company strategies.....	30
2.4 The impact of changes in selected parameters on market equilibrium	35
3 POSSIBILITIES OF ADAPTING THE DECISIONS OF COMPANIES IN THE ENVIRONMENT OF QUANTITATIVE COMPETITION	45
3.1 Simple dynamics of Cournot equilibrium	45
3.2 Cournot model with adaptive expectations of companies regarding future developments	47
3.3 Cournot model with heterogeneous expectations of companies regarding future developments.....	50
3.4 Stability analysis of Cournot model under different expectations of oligopolists	54
4 POSSIBILITIES OF ADAPTING COMPANIES DECISIONS IN AN ENVIRONMENT OF PRICE COMPETITION	64
4.1 A simple dynamic model of Bertrand equilibrium.....	64
4.2 Bertrand model with adaptive expectations of companies regarding future developments	65
4.3 Bertrand model with heterogeneous expectations of companies regarding future developments.....	67
4.4 Stability analysis of Bertrand model under different expectations of oligopolists	70
5 APPLICATION OF OLIGOPOLY MODELS ON THE MARKET OF MOBILE OPERATORS IN THE SLOVAK REPUBLIC	81
5.1 Development of the market of mobile operators in the Slovak Republic.....	82
5.2 Slovak mobile operators market steady state analysis.....	90
5.3 Dynamics of Cournot model of the mobile operator market.....	92
5.4 Dynamics of Bertrand model of the mobile operator market	96
CONCLUSION	101
BIBLIOGRAPHY	107
LIST OF FIGURES.....	119
LIST OF TABLES.....	121
ANNEX 1 ANALYZED MODELS PARAMETER CHANGING SIMULATION.....	122
Cournot and Bertrand equilibrium in changing parameter γ	122
C-B and B-C equilibrium when γ parameter is changing.....	125
Pure strategies comparison when γ parameter is changing	129
Mixed strategies comparison when γ parameter is changing.....	131
Comparison of equilibrium in changing parameter γ (total).....	133
Comparison of equilibrium in changing parameter γ (taking into account the profit maximization conditions and non-negativity of production)	135

