

**Abstract:**

This bachelor thesis is devoted to the games theory and its application to economic models of oligopolies. We focus on determining optimal strategies in non-cooperative conflict and on the issue of coalitions forming and rewards redistribution in cooperative conflict. Lessons learned and characteristics obtained are afterwards applied to different models of oligopolies. Individual chapters are supplemented by short numerical examples which are used to demonstrate the explained theory. The application of this work is to be found in areas where conflict situations are modeled using the knowledge on the choice of optimal strategies.