Abstract

Title: Analysis of the World Championships 2005–2017

Objectives: The main aim of this thesis is to analyse the sport performance of solo figure skaters in the World Championships. After that changes in development of these performances of women and men skaters are researched. Another aim is to predict the development of sport performance of figure skaters in the next four years.

Methods: In creating this thesis methods of correlation and regression analysis, literature research on the basis of content analysis and personal experience in the field of the research have been used.

Results: This thesis confirms the increasing tendency of sport performance in single skating in the World Championships. The greates portion of the increase falls on the increasing difficulty of the included jumping emelent.

The prediction of acquired points for the best man in the World Championships ain 2018 is 216 points with probability 83 % and for best lady, it is 153 points with probability 74 %.

Keywords: points for elements, figure skating, new judging system, program components, sport performance