

Abstract

Recent research in the field of neural networks has shown that this is a very promising area of artificial intelligence. Results of the research indicate that neural networks are currently able to at least match humans in many areas. One of the intensively researched sectors is the driving of autonomous vehicles. Although most people focus on autonomous vehicles in the real world, this new artificial intelligence can also be beneficial for driving in the digital world. As more and more activities and experiments are being moved from real environments to simulated environments, the demands on the quality of artificial intelligence found in digital environments are also increasing. The aim of this work was to explore the possibilities of artificial intelligence based on deep feedback learning in the field of parking simulated vehicles. Based on this research, we created a prototype neural network and evaluated this prototype during parking in a simulated environment.