

Abstract

This dissertation is devoted to familiarization with modern automatic control systems for precision farming technologies based on GNSS signals. Automatic agricultural machinery navigation is the main technology in precision agricultural technology system, which is widely used in agriculture, fertilizers, spraying, crops, etc., one of the important tasks of tractor navigation is precise steering control during field work. Steering control is designed to achieve the desired angle of rotation due to the control effect, which is important for the quality of the tractor. The task of developing automatic precision farming management (TT) is currently one of the most promising areas around the world and is of great scientific interest.