

ABSTRACT

While passing the research on the company "UKRVESKOM", I was engaged in the analysis of factors that negatively affect the process of measuring the mass of objects in motion. The main reasons and situations of occurrence of these factors are considered. An overview of measurement methods in motion in the railway, automobile and shipping industries was conducted. The basic methods of filtering and signal processing algorithms were also considered and analyzed. Mathematical models corresponding to each of the cases of negative influence on the mass measurement system of objects in motion were considered. A patent search, a search in abstracts databases in the direction of development of weight measuring systems in motion was conducted.