Proceedings of SPIE - The International Society for Optical Engineering

Volume 10808, 2018, Номер статьи 108085C

Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments 2018; Wilga; Poland; 3 June 2018 до 10 June 2018; Код 140492

Distortion of geometric elements in the transition from the imaginary to the real coordinate system of technological equipment(Conference Paper)

Tymchyk, G.S.(a), Skytsiouk, V.I.(a), Klotchko, T.R.(a), Ławicki, T.(b)Email Author, Demsova, N.(c)

a)National Technical University of Ukraine, 'Sikorsky Kyiv Polytechnic Institute', Ave. Peremogy, 37, Kyiv, 03056, Ukraine

b)Lublin University of Technology, 38A Nadbystrzycka Str, Lublin, 20-618, Poland

c)East Kazakhstan State Technical University Named after D.Serikbayev, 69 A.K. Protozanov Street, Ust-Kamenogorsk, Kazakhstan

Краткое описание

There are a number of problems in the manufacture of precision instruments related to the accuracy of the size of details, which affects the quality of the product. Therefore, it is necessary to take into account those distortions of the geometry of the element of details, which are machining, for example, on CNC machines. At work the main possible variants of deviation from geometric sizes, which lead to loss of accuracy of the detail are considered. © COPYRIGHT SPIE. Downloading of the abstract is permitted for personal use only.