

# ANALYSIS OF THE ERROR OF NON-LINEARITY OF POSITIONAL CHARACTERISTICS OF A DISPLACEMENT TRANSDUCER ON MULTICOMPONENT OPTRONIC STRUCTURES

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Samara State Aerospace University

The paper deals with calculating the error of non-linearity of positional characteristics of a displacement transducer on multicomponent optronic structures.

*Displacement transducer, multicomponent optronic structures, positional characteristics, error of non-linearity, construction synthesis*

## References

1. Matyunin, S. A. Multicomponent optronic structures. / S. A. Matyunin. – Samara: Samara scientific centre of the Russian Academy of Sciences, 2001. – 260 pp. – ISBN 5-93424-040-4.
2. Matyunin, S. A. et al. Approximation of spectral characteristics of multicomponent optronic structure elements by Gaussian functions // Vestnik of Samara State Aerospace University / S. A. Matyunin, A. B. Borisov, M. Yu. Inosemtsev. – 2001. – Issue 5. – pp. 76-82. – Bibliogr.: p. 82.

**Matynin, Sergey Alexandrovitch**, head of the department of electronic systems and devices, doctor of technical science, professor. Area of research: information measurement systems and devices, automation of technological processes.

**Stepanov, Maxim Vladimirovitch**, senior research officer, candidate of technical science, department of electronic systems and devices. Place of work: State Research-and-Production Space Rocket Centre “CSDB-Progress”. Area of research: element and devices of computational equipment and control systems.