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Increased temperature accuracy of the cathode ray tube camera based on digital signal processing (Proceedings Paper)

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Date: **3 November 1995**

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[Proceedings Vol. 2648](#)

International Conference on Optical Diagnostics of Materials and Devices for Opto-, Micro-, and Quantum Electronics, Sergey V. Svechnikov; [Mikhail Y. Valakh](#), Editors, pp.617-621

Date: **3 November 1995**

Paper Abstract

The cathode ray tube cameras can be used for measurement and visualization of 300 - 2000 degrees Celsius temperature fields that apply in an opto-, micro-, and quantum electronics production. The computer simulation of physical processes in the camera allows us to get necessary information for increasing the temperature accuracy by a digital compensation of the errors. The sequence of the computer simulation and the practical results of temperature measurement are represented.

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