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Optoelectronic Devices for Blood Testing

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The article is devoted to the improvement of technical solutions for laser diagnostics of formed elements of human blood using the method of spectrum interferometry, and the development of a method for analysis of the obtained speckle patterns. The developed laboratory stand was used to obtain images of speckles from human blood smears and described the main points of its further integration into the system of non-invasive blood analysis, as well as the development of the principle of image processing.