

## Development and study of circuit solutions in the design of the lighting branch of a dynamic interferometer for quality control of optical surfaces

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***A circuit solution has been developed and experimentally tested, namely, a modernized lighting branch of a dynamic interferometer, which makes it possible to increase the accuracy of measuring the quality parameters of optical surfaces by minimizing the speckle structure contrast by introducing a rotating diffuser into the lighting branch.***

***Keywords:*** lighting branch, statistical quality parameters, interference pattern, speckle contrast, time averaging, rotating diffuser.

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