

A Precision Optoelectronic System for Monitoring Torsional Vibrations of Turbine Drive Shafts

A. N. Morozov^a, A. L. Nazolin^{a,b*}, and V. I. Polyakov^b

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Abstract—A precision optoelectronic system for monitoring torsional vibrations of the drive shaft of a powerful turbine unit and a technique for carrying out measurements by a single detector are described. The results of operation of the monitoring system on a 350 MW-power turbine unit over a year of observations are considered.

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