

# **VIBROACOUSTICAL DIAGNOSTICS OF THE MOVABLE REFLECTOR-MODULATOR OF THE IBR-2 PULSED RESEARCH REACTOR**

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## **ABSTRACT**

Uses of combined method of diagnosing the internal state of a movable reflector modulator of the IBR-2 pulsed research reactor are given in report. Here, as an example, the practical application of complex-type algorithms for identification of the internal state of the ball bearings of the movable reflector modulator of the IBR-2 pulsed research reactor is considered.

**Keywords:** movable reflector, mechanical vibration, diagnostics of technical condition, spectral density, service life, trend.