

CRITICAL ROTATION FREQUENCY ESTIMATION OF MULTISPAN ROTORS AS ROTORS WITH ELASTIC FOUNDATION

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In article it was told about a range of application of installations with multisupport rotors and necessity of exclude of work of such installations on critical modes or near to them.

Approaches in the solution of problems of definition of critical frequencies of rotation multisupport rotors among which the method of calculation such rotors as rotors on the elastic basis are offered. The example of calculation multisupport rotors of acoustic stand was presented. Advantages of the given method, and also possibility of his use are specified.

Rotor, frequency, test bench, construction, bearing, calculated model, shaft

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