Indian Journal of Mathematics

CONTENTS

Abstract: Axisymmetric vibrations of elastic circular plates loaded under the time varrying loads are discussed on the basis of shear theory. The displacements are expressed in terms of Fourier-Bessel series. The corresponding time-functions are found by using the Laplace transformation techniques. Solutions for various types of loads, e.g., concentrated ring pressure loads, concentrated central load and axially symmetric distributed load have been obtained.

Ramgopal Roy

****