

ABSTRACTS

DEPARTMENT OF AERONAUTICAL ENGINEERING

1. **LONG RECTANGULAR PLATE SUBJECTED TO LINE LOADS.** C. V. Joga Rao,
*Proc. of the First Congress on Theoretical and Applied Mechanics, Nos. 1
and 2, 1955 (Published in 1956).*

In this paper long rectangular plates subjected to line loads, parallel to the long edges, are considered. The supports along the long edges are such as to prevent the edges moving towards each other. With such a method of support there is a tensile reaction set up by the plates loaded. This problem has been solved for simply supported and fixed long edges and the results have been presented in a form suitable for design of such plates.