Title of Paper: A Thin Cylindrical Shell Problem

Time .... minutes.

Name of Author: THOMAS ROGGE

Institution: Iowa State Univer. Student

Address: Dept. of Math. I.S.U. Ames Ia.

Member of Mathematical Association
of America: Yes ☐   No ☑

ABSTRACT

The abstract should be in the form of a brief and concise statement of the main results or points of view of the paper, without demonstrations and with a minimum of formulae. It should not exceed 100 words and should be compressed if possible into a single paragraph. It should be written in the third person. The abstract should be typewritten and in a form suitable for immediate publication in the MONTHLY.

A THIN CYLINDRICAL SHELL PROBLEM

The problem of a thin cylindrical shell sector clamped on two curved edges and one straight edge, free on the remaining straight edge and loaded by a load similar to a hydrostatic load is considered. The method of solution is that of superimposing the solutions of three separate problems with the appropriate boundary conditions.