

CHAPTER IV

THEORETICAL AND EXPERIMENTAL RESULTS

The results of the deflections and the bending moments obtained from the theory and experiment are compared. Fig. 5 through Fig. 8 are the theoretical results of deflection and bending moment presented in dimensionless form. Fig. 10 and 11 compare the deflections obtained experimentally with those from theory. Results show close agreement between the two.

The comparison of the bending moments are shown in Fig. 12, 13 and 14. The values obtained from experiment are higher than those from theory. For small loads it is seen that very good agreement is obtained. The large discrepancies are probably due to the approximated boundary condition and the form of the deflection function selected.