Bending and Torsion of thin walled Beams with variable, open Cross Sections

von

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F O R E W O R D

The theory of thin walled beams with open cross section has many applications in practice, e.g. in the analysis of girder bridges. For beams of constant section solutions have been available in the technical literature. However, few publications exist which deal with beams of variable cross section. In this study a solution for beams with unsymmetrical and variable cross section is presented. A corresponding computer program for practical application has been developed.

The author has prepared this study in partial fulfilment of his doctoral work at the Institute of Structural Engineering, Department of Civil Engineering. During his stay he received a scholarship of the Department of the Interior of the Swiss Federal Government.

Swiss Federal Institute of Technology

Zurich, January 1969

Prof. Dr. B. Thürlimann

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