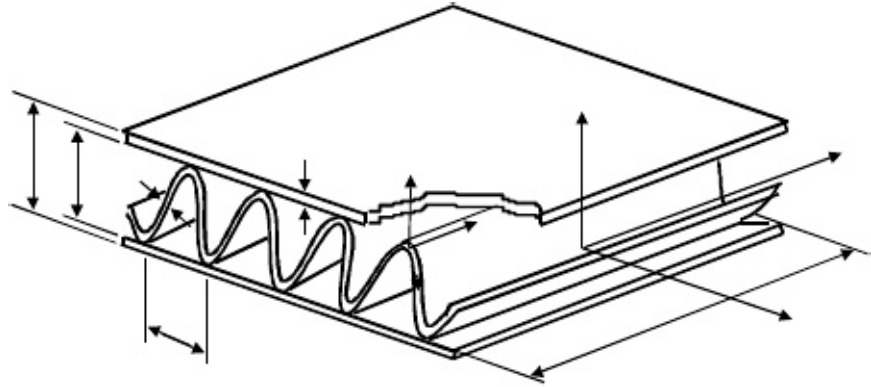




Professor Leif A. Carlsson



Sandwich wall with corrugated core. From: "Buckling analysis of Corrugated Core Sandwich Panels" by Tomas Nordstrand and Leif A Carlsson

See:

<http://www.eng.fau.edu/directory/faculty/carlsson/>

<http://www.ome.fau.edu/directory/>

J.M. Rubin Foundation Professor
Department of Ocean and Mechanical Engineering
Florida Atlantic University, Boca Raton, Florida 33431-0991

Education: Ph.D., Chalmers' University of Technology

Research Interests: Composite material and sandwich structures; solid mechanics; finite element analysis

Selected Publications:

L. Carlsson, C. Fellers and P. Jonsson, "Bending stiffness of corrugated board with special reference to unsymmetrical and multi-wall constructions", (in German), *Das Papier*, Vol. 39, No. 4, pp. 149-156, 1985

Delaware Composites Design Encyclopedia: Design Studies, by Keith T. Kedward, Leif A. Carlsson, James M. Whitney, John W. Gillespie, (vol. 5 published in 1990, Technomic publication, ISBN 87762-703-7)

T.M. Nordstrand, H.G. Allen and L.A. Carlsson, "Transverse shear stiffnesses of structural core sandwich", *Composite Structures*, No. 27, pp 317-329, 1994

Tomas Nordstrand and Leif A. Carlsson, "Buckling analysis of Corrugated Core Sandwich Panels", see http://www.academia.edu/7028252/Buckling_Analysis_of_Corrugated_Core_Sandwich_Panels publisher and date not given in the pdf file; most recent reference is 1997.

T. Nordstrand and L.A. Carlsson, "Evaluation of transverse shear stiffness of structural core sandwich plates", *Composite Structures*, Vol. 34, 1997

T. Nordstrand and L.A. Carlsson, "On the analysis of buckling of sandwich panels", under preparation

Francis Avilés and Leif A. Carlsson, "Three-dimensional Finite Element Buckling Analysis of Debonded Sandwich Panels", *Journal of Composite Materials*, June 2006, vol. 40, no. 11, pp. 993-1008

F. Avilés and L.A. Carlsson, "Post-buckling and debond propagation in sandwich panels subject to in-plane compression", *Engineering Fracture Mechanics*, Vol. 74, No. 5, March 2007, pp. 794-806