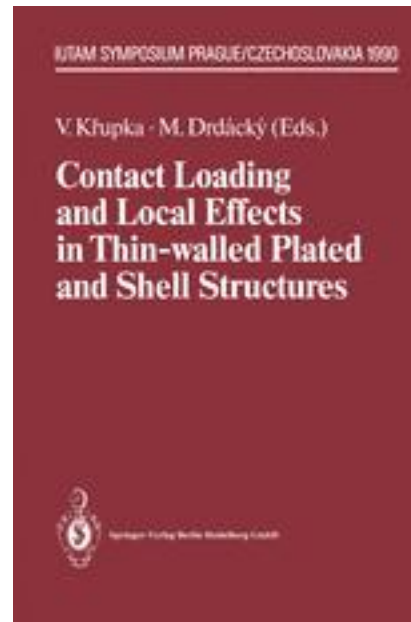




Professor Vlastimil Krupka (1927 – 2009)



Vlastimil Krupka and Milos Drdacky (Editors), Contact Loading and Local Effects in Thin-Walled Plated and Shell Structures, Proceedings of the 1990 IUTAM Symposium, Prague, Springer, 1992

See:

<https://translate.google.com/translate?hl=en&sl=cs&u=http://www.csm.cz/struktura-csm/cestni-clenove/prof-ing-vlastimil-krupka-drsc/&prev=search>
http://www.uam.cz/cz/o_nas/historie/detail_osobnosti/krupka.html

Institute of Applied Mechanics, Veveri, Brno, Czech Republic

Biography written by his son:

Born in 1927 in Hana in Kromeriz. My father had a construction company in Přemyslovice in Prostejov. Here he spent his childhood as a country boy. Schools in Prostejov and Olomouc it took away and commuting daily for at least 6 hours of time. At study was therefore less time, but learned to save him, which he later threw well in college in Brno - Building on the faculty. He was from the very beginning mechanics construction of steel structures. He was looking for ever more perfect expression for their behavior in traffic and resulting service life and reliability in accordance with a known idea Henri Poincare "experience est la source de l'hypothèse unique." Known and cited both at home and abroad are especially his work in the field of thin-walled structures in the field of tying or twisting stability. They are already contained in his PhD thesis in the fifties. PhD thesis defended in Prague, Faculty of Civil Engineering. Later he devoted structures in the petrochemical and metallurgical industries. Especially his work in the field of stability and buckling are already entered into the European standards buckling of Shells, European Design Recommendations 5th Edition. He founded the Institute of Applied Mechanics Brno, which is engaged mainly in the construction industry, energy (especially nuclear, as well as hydroelectric power plants). He was a consultant planner of major structures in a northern district of giant, television masts (eg. Cukrák, Ještěd) and large-capacity tanks for crude oil, projected important enterprises (Vitkovice, Královopolská and others). He was a longtime member of the European Commission for steel structures in Brussels. He taught at the Faculty of Mechanical Engineering and Construction in Brno, but

also abroad in Cairo. He had many lectures in Germany (Karlsruhe, Hamburg, Dresden), Poland (Gdansk, Warsaw), Austria (Graz), Scotland (Glasgow) and elsewhere. There are a number of younger colleagues who follow his work.

Selected Publications:

Books:

Vlastimil Krupka and Milos Drdacky (Editors), Contact Loading and Local Effects in Thin-Walled Plated and Shell Structures, Proceedings of the 1990 IUTAM Symposium, Prague, Springer, 1992

V. Krupka and P. Schneider (ed.), Proc. Int. Conf. on Carrying Capacity of Steel Shell Structures, ECCS, Brno, Czech. Rep. (1997)

Journal Articles:

Krupka, V.: Buckling and limit carrying capacity of saddle loaded shells, Ghent University, Colloquium on Stability of Plate and Shell Structures, 1987, pp.617-622

Krupka, V., 1991. The background to a new design proposal for saddle supported vessels. Int. J. Pressure Vessels and Piping,46: 51–65.

Krupka, V., 1991. Buckling and plastic punching of circular cylindrical shell due to saddle or lug loads. In: Buckling of Shell Structures, on Land, in the Sea and in the Air, J. F. Jullien (Ed.), Elsevier Applied Science, London and New York, p. 11–20.

Krupka, V., 1994. Saddle and lug supported tanks and vessels. Proc. Instn. Mech. Engrs, 208: 17–21.