



Professor Giovanni Zucco

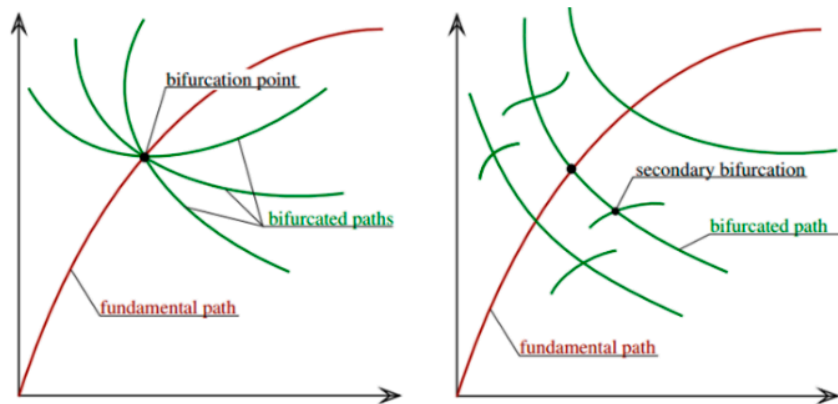


Fig. 1. Interactive buckling for coincident/nearly coincident buckling loads

From: Viorel Ungureanu, Dan Dubina, Andrei Crisan, Antonio Madeo, Giuseppe Zagari, Giovanni Zucco and Raffaele Zinno, “Koiter asymptotic analysis of thin-walled cold-formed steel members”, *Acta Mechanica et Automatica*, Vol. 9, No. 4, December 2015

See:

https://www.researchgate.net/profile/Giovanni_Zucco3
<https://scholar.google.it/citations?user=rmIzQhMAAAAJ&hl=it>

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Selected Publications:

- Giovanni Zucco, “Imperfection sensitivity analysis of thin walled shell structures”, Ph.D. dissertation, University of Calabria, Italy, 2015
- A. Madeo, R. Casciaro, G. Zagari, R. Zinno and G. Zucco, “A mixed isostatic 16 dof quadrilateral membrane element with drilling rotations based on Airy stresses”, *Finite Elements in Analysis and Design*, Vol. 80, pp 52-66, October 2014
- E. J. Barbero, A. Madeo, G. Zagari, R. Zinno and G. Zucco, “A mixed isostatic 24 dof element for static and buckling analysis of laminated folded plates”, *Composite Structures*, Vol. 116, 223-234, 2014
- Barbero, E.J. Madeo, A., Zagari, G., Zinno, R., Zucco, G., Koiter asymptotic analysis of folded laminated composite plates, *Composites Part B: Eng.*, 61, pp. 267–274, 2014
- E.J. Barbero, A. Madeo, G. Zagari, R. Zinno and G. Zucco, “Imperfection sensitivity analysis of laminated folded plates”, *Thin-Walled Structures*, Vol. 90, pp 128-139, May 2015
- Viorel Ungureanu, Dan Dubina, Andrei Crisan, Antonio Madeo, Giuseppe Zagari, Giovanni Zucco and Raffaele Zinno, “Koiter asymptotic analysis of thin-walled cold-formed steel members”, *Acta Mechanica et Automatica*, Vol. 9, No. 4, December 2015
- Tomasz Kubiak, Mariusz Urbaniak, Giovanni Zucco and Antonio Madeo, “Imperfection sensitivity analysis of the nonlinear stability of composite beams – Numerical and experimental investigations”, *Composites Part B: Engineering*, Vol. 94, pp 360-369, June 2016
- G. Zucco, R.M.J. Groh, A. Madeo and P.M. Weaver, “Mixed shell element for static and buckling analysis of variable angle tow composite plates”, *Composite Structures*, Vol. 152, pp 324-338, September 2016

G. Zagari, G. Zucco, A. Madeo, V. Ungureanu, R. Zinno and D. Dubina, "Evaluation of the erosion of critical buckling load of cold-formed steel members in Koiter asymptotic analysis", *Thin-Walled Structures*, Vol. 108, pp 193-204, November 2016

V. Ungureanu, A. Madeo, G. Zagari, G. Zucco, D. Dubina and R. Zinno, "Koiter asymptotic analysis of thin-walled cold-formed steel uprights pallet racks", *Structures*, Vol. 8, pp 286-299, November 2016

A. Madeo, R.M.J. Groh, G. Zucco, P.M. Weaver, G. Zagari and R. Zinno, "Post-buckling analysis of variable-angle tow composite plates using Koiter's approach and the finite element method", *Thin-Walled Structures*, Vol. 110, pp 1-13, January 2017

Radoslaw J. Mania, Antonio Madeo, Giovanni Zucco and Tomasz Kubiak, "Imperfection sensitivity of post-buckling of FML channel section column", *Thin-Walled Structures*, Vol. 114, pp 32-38, May 2017

E.J. Barbero, A. Madeo, G. Zagari, R. Zinno and G. Zucco, "Imperfection sensitivity analysis of composite cylindrical shells using Koiter's method", *International Journal for Computational Methods in Engineering Science and Mechanics*, Vol.18, No.1, Special Issue: Buckling and Postbuckling Behaviour of Composite Laminated Shell Structures, pp 105-111, January 2017