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Selected Publications:

Ioannidis, G.; Kounadis, A. N. (1984): Finite displacement analysis for the elastic and inelastic instability of simple frames. In: Euromech colloquium 190: Dynamical stability of inelastic structures. Technische Universität Hamburg - Harburg, FRG

A.N. Yiagos, G. Ioannidis and A.N. Kounadis, "The effect of interaction of loadings and geometry imperfection on the buckling state of frames", Computational Mechanics, Vol. 5, Nos 2-3, pp 95-103, 1989

G. Ioannidis, O. Mahrenholtz and A.N. Kounadis, "Lateral post-buckling analysis of beams", Archive of Applied Mechanics, Vol. 63, No. 3, pp 151-158, 1993

Kounadis, A.N., Ioannidis, G.: Lateral postbuckling analysis of beam columns. J Eng Mech Div ASCE 120(4) 695-706 (1994)

Ioannidis G.I. (1997) "Lateral buckling analysis of I-beams subjected to follower loading", Facta Universitatis, University of Nis, 2, 269-275.

Ioannidis G.I. and Kounadis A.N. (1998) "Flexural-torsional postbuckling analysis of centrally compressed bars with open thin-walled cross-section", Engineering Structures, 21/9, 55-61.

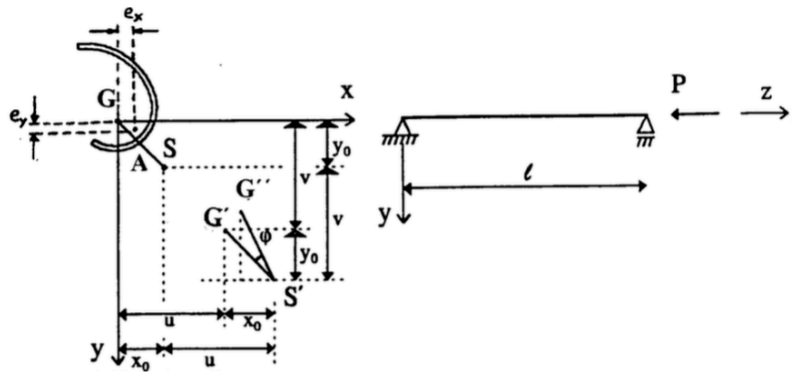


Fig. 1. Displacements of the shear center and the centroid of the cross-section

From: Ioannidis G.I., Polyzois D.J and Kounadis A.N. (2000) "Elastic limit state flexural-torsional postbuckling analysis of bars with open thin walled cross-sections under axial thrust", Engineering Structures, 22, 472-479.

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- Kounadis, A.N.; Ioannidis, G.; Lignos, X.: Stability analysis of a two-bar frame using catastrophe theory. In: *Proceedings Eurosteel '02, Coimbra 1 (2002)* 149–161
- Lignos X., Ioannidis G.I. and Kounadis A.N. (2003) “Nonlinear buckling of simple models with tilted cusp catastrophe”, *Int. J. of Non – Linear Mechanics*, 38, 1163 – 1172.
- Ioannidis G.I., Raftoyannis I.G. and Kounadis A.N. (2004) “Nonlinear buckling of imperfect systems with symmetric imperfections”, *Int. J. of Archive of Applied Mechanics*, 73, 711-717.
- Ioannidis G.I. and Raftoyiannis I.G. (2005) “A simplified non linear stability analysis of an imperfect rectangular two-bar frame”, *Int. J. of Computational Mechanics*, 35(2), 127-133.
- Ioannidis G.I. (2004) “Postbuckling analysis of centrally compressed bars with open thin- walled cross-section”, *Facta Universitatis, University of Nis*, 4, 17.
- Ioannidis G.I., Raftoyiannis I.G. and Kounadis A.N. (2005) “A method for the Direct Evaluation of Buckling Loads of an Imperfect Two – Bar Frame”, *Int. J. of Archive of Applied Mechanics*, 74, 299-308.