

PUBLICATIONS LIST

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- J25 S.Gerasimidis, C.D. Bisbos, C.C. Baniotopoulos (2013) A computational model for full or partial damage of single or multiple adjacent columns in disproportionate collapse analysis via linear programming, *Structure and Infrastructure Engineering*, Article in Press, DOI: 10.1080/15732479.2012.757847
- J24 S. Gerasimidis, C.D. Bisbos, C.C. Baniotopoulos (2011) Vertical geometric irregularity assessment of steel frames on robustness and disproportionate collapse, *Journal of Constructional Steel Research*, Vol. 74(7), pp.76-89.
- J23 S. Gerasimidis, A.Ampatzis, C.D. Bisbos (2012) A mathematical programming computational model for disproportionate collapse analysis of steel building frames, *Optimization Letters* , Vol. 6(3) pp. 525-535
- J22 M.-A. A. Skordeli ,C.D. Bisbos, (2010) Limit and shakedown analysis of 3D steel frames via approximate ellipsoidal yield surfaces, *Engineering Structures*, Vol. 32(6), pp. 1556-1567.
- J21 C.D. Bisbos, A. T.Ampatzis (2008) Shakedown analysis of spatial frames with parameterized load domain, *Engineering Structures*, Vol. 30(11), pp. 3119-3128.
- J20 C.D. Bisbos, P.M. Pardalos (2007) Second-Order Cone and Semidefinite Representations of Material Failure Criteria, *Journal of Optimization Theory and Applications*, Vol. 134 (2), pp. 275-301.
- J19 C.D. Bisbos (2007) Semidefinite Optimization Models for Limit and Shakedown Analysis Problems Involving Matrix Spreads, *Optimization Letters*, Vol. 1 (1), pp. 101-109.
- J18 C.D. Bisbos (2006) Linear Matrix Inequality Representations of the Mohr-Coulomb and Tresca Failure Criteria with Applications in Shakedown Analysis, *Journal of the Mechanical Behavior of Materials*, Vol. 17(4), pp. 253-268.
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- J14 C.D.Bisbos, H.I.Sakellariadou, (1997) Stick slip processes between thin metallic sheets, *J. of the Balkan Tribological Association*, vol. 3 (2) pp. 99-106.
- J13 P.S.Theocaris, C.Bisbos, P.D.Panagiotopoulos, (1997) On the parameter identification problem for failure criteria in anisotropic bodies, *Acta Mechanica*, vol. 123, pp.37-56.
- J12 M.R.Al-Abed, C.D.Bisbos, P.D.Panagiotopoulos (1996) Behavior of circular cylindrical shells due to local debonding, *Computers and Structures*, vol. 59 (2) vol. 68, pp.333-345.
- J11 M.R.Al-Abed, C.C.Baniotopoulos, C.D.Bisbos (1996) Effect of liquid filling in saddle-supported pipelines *Int.J. of Pressure Vessels & Piping* , vol. 68, pp.219-228.
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- C30 C.D. Bisbos, M.-A. Skordeli and G. Papaioannou (2006) Limit and shakedown analysis of reinforced concrete disks and plates via second-order cone programming, in C.C. Baniotopoulos (Ed.) *Proc. of the 2nd Int. Conference on Nonsmooth/Nonconvex Mechanics with Applications in Engineering (II. NNMAE)*, Thessaloniki, Ziti Publishers, pp. 221-228.
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