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Selected Publications:

N. Ngo, F. Tin-Loi, Shakedown analysis using the p-adaptive finite element method and linear programming, *Eng. Struct.*, 29 (1) (2007), pp. 46-56

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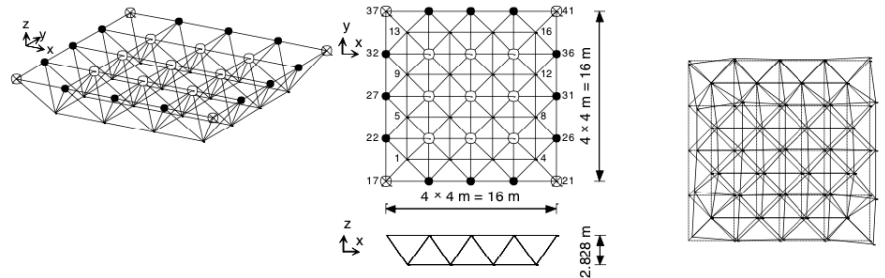


Figure 3: 3D double layer roof truss (a) geometry and loads and (b) collapse mechanism (o, • and ⊗ denote applied forces F , $0.5F$ and $0.25F$, respectively) [3].

From: Sawekchai Tangaramvong and Francis Tin-Loi, “Structural optimization under complementarity constraints, 11th World Congress on Structural and Multidisciplinary Optimization 7-12 June 2015, Sydney, Australia

I. Chiong, E. T. Ooi, C. Song, and F. Tin-Loi, "Computation of dynamic stress intensity factors in cracked functionally graded materials using scaled boundary polygons," *Engineering Fracture Mechanics*, vol. 131, pp. 210–231, 2014

Ooi E, Song C, Tin-Loi F (2014) A scaled boundary polygon formulation for elasto-plastic analyses. *Comput Methods Appl Mech Eng* 268:905–937

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