



**Dr. Saeed Abolghasemi**

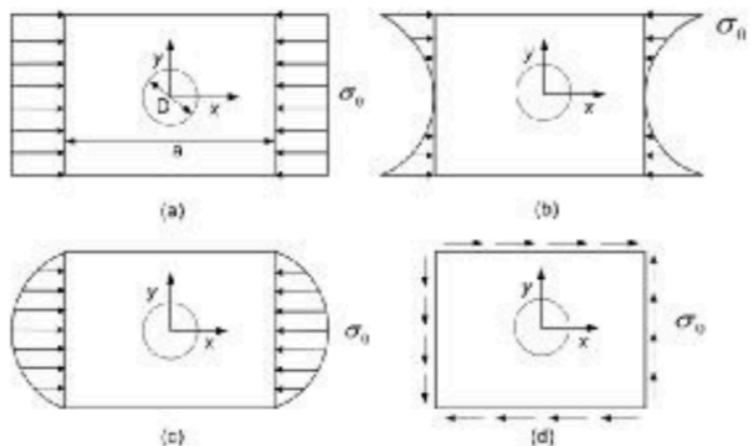


Fig. 1: Different types of in-plane loading. (a) constant, (b) parabolic, (c) cosine, (d) shear.

From: Saeed Abolghasemi, Hamidreza Eipakchi and Mahmoud Shariati, A new analytical method for stress analysis of finite plates with circular cutout”, The 16th International Conference of Iranian Aerospace Society, 21-23 February 2017, Tehran, Iran

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### Selected Publications:

- A. R. Shaterzadeh, S. Abolghasemi and R. Rezaei , Finite element analysis of thermal buckling of rectangular laminated composite plates with circular cut-out, *J. Thermal Stresses* **37** (2014) 604–623.
- S. Abolghasemi, A. R. Shaterzadeh and R. Rezaei , Thermo-mechanical buckling analysis of functionally graded plates with an elliptic cutout, *J. Aerospace Sci. Technol.* **39** (2014) 250–259.
- R. Rezaei, A. R. Shaterzadeh and S. Abolghasemi , Buckling analysis of rectangular functionally graded plates with an elliptic hole under thermal loads, *J. Solid Mech.* **7** (1) (2015) 41–57.
- Shaterzadeh, A.R., Rezaei, R., Abolghasemi, S.: Thermal buckling analysis of perforated functionally graded plates. *J. Therm. Stress.* **38**(11), 1248-1266 (2015)
- Abolghasemi S, Eipakchi HR, Shariati M (2015) Analytical solution for buckling of rectangular plates subjected to non-uniform in-plane loading based on first order shear deformation theory. *Modares Mech Eng* 14(13):37–46 (**In Persian**)
- Abolghasemi, S., Eipakchi, H.R., Shariati, M.: An analytical procedure to study vibration of rectangular plates under non-uniform in-plane loads based on first-order shear deformation theory. *Arch. Appl. Mech.* **86**, 853–867 (2016).
- Saeed Abolghasemi, Hamidreza Eipakchi and Mahmoud Shariati, A new analytical method for stress analysis of finite plates with circular cutout”, The 16th International Conference of Iranian Aerospace Society, 21-23 February 2017, Tehran, Iran
- Saeed Abolghasemi, Hamidreza Eipakchi and Mahmoud Shariati , “An analytical solution for axisymmetric buckling of annular plates based on perturbation technique”, *International Journal of Mechanical Sciences*, Vol. 123, pp 74-83, April 2017

Saeed Abolghasemi, Hamidreza Eipakchi and Mahmoud Shariati, "An analytical solution for buckling of plates with circular cutout subjected to non-uniform in-plane loading", *Archive of Applied Mechanics*, Vol. 89, No. 12, pp 2519-2543, December 2019