



Professor Xin Li

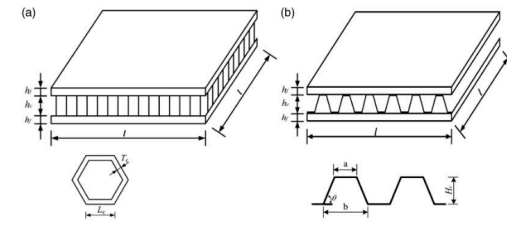


Figure 1. Sketch of the sandwich panels (a) honeycomb (b) corrugated.

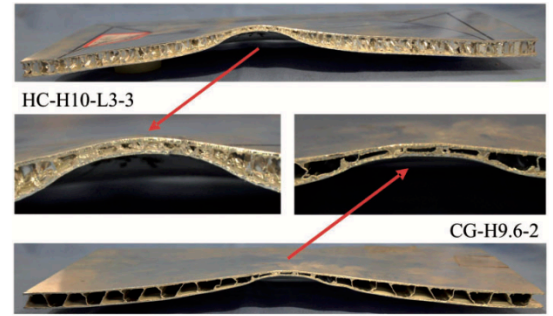


Figure 8. Deformation/failure modes of core.

From: Peiwen Zhang, Xin Li, Tao Jin, Zhihua Wang and Logmao Zhao, “Dynamic response of circular metallic sandwich panels under projectile impact”, *Journal of Sandwich Structures & Materials*, Vol. 19, No. 5, pp 572-594, September 2017

See:

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Selected Publications:

Li, S., Wang, Z., Wu, G., Zhao, L., & Li, X. (2014). Dynamic response of sandwich spherical shell with graded metallic foam cores subjected to blast loading. *Composites Part A Applied Science and Manufacturing*, 56, 262–271.

X. Li, Z.H. Wang, F. Zhu, G.Y. Wu, and L.M. Zhao, Response of aluminium corrugated sandwich panels under air blast loadings: Experiment and numerical simulation, *Int. J. Impact Eng.*, vol. 65, pp. 79–88, March 2014.

X. Li, P. Zhang, Z.H. Wang, G.Y. Wu, and L.M. Zhao, Dynamic behavior of aluminum honeycomb sandwich panels under air blast: Experiment and numerical analysis, *Compos. Struct.*, vol. 108, pp. 1001–1008, 2014.

Li, S.Q., Li, X., Wang, Z.H., et al.: Finite element analysis of sandwich panels with stepwise graded aluminum honeycomb cores under blast loading. *Compos. A Appl. Sci.* **80**, 1–12 (2016)

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X. Li, A.B. Nia, X. Ma, Y. Yazid, and Z.H. Wang, Dynamic response of kevlar 29/Epoxy laminates under projectile impact-experimental investigation, *Mech. Adv. Mater. Struct.*, vol. 24, pp. 114–121, 2017.

Shiqiang Li, Xin Li, Zhihua Wang, Guiying Wu, Guoxing Lu and Longmao Zhao, “Sandwich panels with layered graded aluminum honeycomb cores under blast loading”, *Composite Structures*, Vol. 173, pp 242-254, August 2017

Peiwen Zhang, Xin Li, Tao Jin, Zhihua Wang and Logmao Zhao, “Dynamic response of circular metallic sandwich panels under projectile impact”, *Journal of Sandwich Structures & Materials*, Vol. 19, No. 5, pp 572-594, September 2017

Xin Li, Shiqiang Li, Zhihua Wang, Jinglei Yang and Guiying Wu, “Response of aluminum corrugated sandwich panels under foam projectile impact – Experiment and numerical simulation”, *Journal of Sandwich Structures & Materials*, Vol. 19, No. 5, pp 595-615, September 2017

Xin Li, Peiwen Zhang, Li Shiqiang, Zhihua Wang and Guiying Wu, “Dynamic response of aluminum honeycomb sandwich panels under foam projectile impact”, *Mechanics of Advanced Materials and Structures*, Vol. 25, No. 8, pp 637-646, 2018

Xiaomin Ma, Xin Li, Shiqiang Li, Rujiang Li, and Guiying Wu, "Blast response of gradient honeycomb sandwich panels with basalt fiber metal laminates as skins", *International Journal of Impact Engineering*, Vol. 123, pp 126-139, January 2019