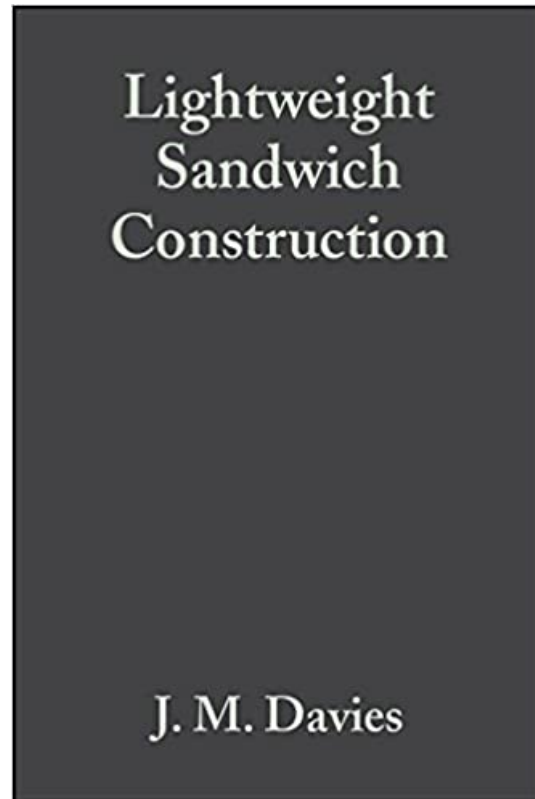




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See:

<https://www.researchgate.net/scientific-contributions/2163603041-J-Michael-Davies>

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Selected Publications:

Book:

J.M. Davies (Editor), *Lightweight Sandwich Construction*, Wiley-Blackwell, 2001

Journal Articles, etc.:

Davies, J. M., Brian, E. R. (1982), *Manual on stressed skin diaphragm design*, London: Granada.

Davies, J.M. (1987). Design Criteria for Structural Sandwich Panels. *Journal of Structural Engineering* 65A (12), pp. 435-441.

Davies, J.M. and Hakmi, M.R. (1990). Local Buckling of Profiled Sandwich Plates. *Proc. IABSE Symposium, Mixed Structures including New Materials*, Brussels, September, pp. 533-538.

Davies, J.M., Hakmi, M.R. and Hassinen, P. (1991). Face Buckling Stress in Sandwich Panels. *Proc. Nordic Steel Colloquium*, pp. 99-110.

Davies, J.M. and Hakmi, M.R. (1992). Postbuckling Behaviour of Foam-Filled Thin-Walled Steel Beams. *Journal of Construction Steel Research*, 20, pp. 75-83.

Davies, J. and Leach, P. (1992). Some applications of Generalized Beam Theory. In *Proceedings of the 11th International Specialty Conference on Cold-Formed Steel Structures* (St. Louis, USA, 20-21/10), Yu, W-W. and LaBoube, R. (Editors), pages 479–501. University of Missouri-Rolla.

Davies, J.M. and Heselius, L. (1993). Design Recommendations for Sandwich Panels. *Journal of Building Research and Information*, 21(3), pp. 157-161.

- Davies, J.M. (1993). Sandwich Panels. *Thin-Walled Structures*, 16, pp.179-198.
- Davies, J., Jiang, C., and Leach, P. (1994). The analysis of restrained purlins using Generalised Beam Theory. In *Proceedings of the 12th International Specialty Conference on Cold-Formed Steel Structures* (St. Louis, USA, 18-19/10), Yu W-W. and LaBoube R. (eds.), 109-120.
- Davies, J. and Leach, P. (1994). First-order Generalized Beam Theory. *Journal of Constructional Steel Research*, 31:187–220.
- Davies, J. and Leach, P. (1994). Second-order Generalized Beam Theory. *Journal of Constructional Steel Research*, 31:221–241.
- Davies, J. M., Jiang, C. (1996), Design of thin-walled columns for distortional buckling, in: Rondal, J., Dubina, D., Gioncu, V. (Eds.), *Coupled Instabilities in Metal Structures – CIMS 96*, London: Imperial College Press, pp. 165-172.
- Dubina, D., Davies, J. M., Jiang, C., Ungureanu, V. (1996), Recent interactive buckling approaches for cold-formed thin-walled members, In: Rondal, J., Dubina, D., Gioncu, V. (Eds.), *Coupled Instabilities in Metal Structures – CIMS 96*, London: Imperial College Press, pp. 173-180.
- Davies, J., Leach, P., and Taylor, A. (1997). The design of perforated cold-formed steel sections subject to axial load and bending. *Thin-Walled Structures*, 29(1–4):141–157
- Davies, J. and Jiang, C. (1998). Design for Distortional Buckling. *Journal of Constructional Steel Research*, 46:174–175.
- Davies, J. M. (1998), Generalized Beam Theory (GBT) for Coupled Instability Problems, in: Rondal, J. (Ed.), *Coupled Instabilities in Metal Structures, Theoretical and Design Aspects*, CISM Courses and Lectures N. 379, p. 151-223, Wien – NY: Springer – Verlag
- Davies, J. M., Jiang, C., Ungureanu, V. (1998), Buckling mode interaction in cold formed steel columns and beams, in: *Proceedings of the 14th International Specialty Conference on Cold Formed Steel Structures*, St. Louis, Missouri, U.S.A., October 15-16, pp. 53-67.
- Davies, J. M., Jiang, C., Voutay, P. (2000), Intermediately-stiffened compression flanges, in Camotim, D., Dubina, D., Rondal, J. (Eds.), *Coupled Instabilities in Metal Structures – CIMS 2000*, London: Imperial College Press, pp. 197-204.
- Davies, J. M. (2000). Recent research advances in cold-formed steel structures. *Journal of Constructional Steel Research*, 55(1-3):267–288.