Professor Niels Olhoff

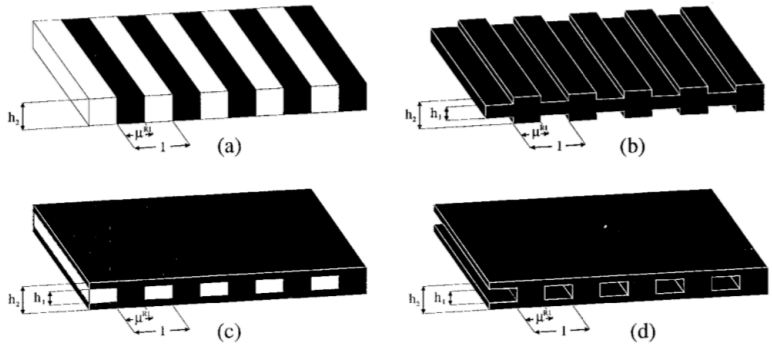

Fig. 3. First-rank plate microstructures used for the modeling of: (a) perforated solid plates; (b) surface stiffened solid plates; (c) core stiffened sandwich plates; (d) core stiffened honeycomb plates. Black and white domains in the microstructures are filled by a stiff and a more compliant isotropic material, respectively.

From: L.A. Krog, N. Olhoff, Optimum topology and reinforcement design of disk and plate structures with multiple stiffness and eigenfrequency objectives, Comput Struct, 72 (4) (1999), pp. 535–563

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