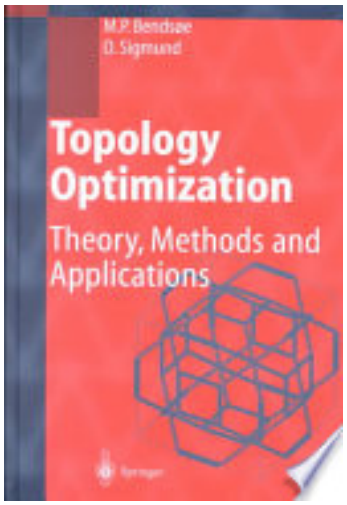

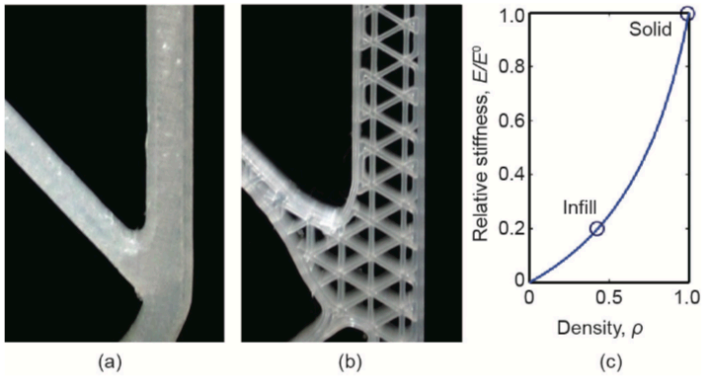

Fig. 1. Solid versus porous components. (a) Solid component; (b) porous component with solid shell and triangular infill; (c) Hashin-Shtrikman upper bound of stiffness as a function of material density, defining infill properties.

Professor Ole Sigmund

The middle image above is: Martin Philip Bendsoe and Ole Sigmund, Topology Optimization: Theory, Methods, and Applications, Springer, 2003, 370 pages

The right-most image above is from: Anders Clausen, Niels Aage and Ole Sigmund, "Exploiting additive manufacturing infill in topology optimization for improved buckling load", Engineering, Vol. 2, No. 2, pp 250-257, June 2016

See:
https://www.dtu.dk/english/service/phonebook/person?id=2278&tab=1

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