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Crushing behavior of multi-layer metal lattice panel fabricated by selective laser melting

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Highlights

- **Effects of layer and cell numbers on the quasi-static compressive response of BCCZ lattice sandwich panel are studied.**
- **An analytical model is proposed to predict the compressive properties of the multi-layer lattice panels.**
- **Multi-layer lattice panel exhibits distinctive deformation modes with multiple peak stress under uniaxial compression.**
- **The boundary effect of lattice core panel with finite width is discussed through finite element and theoretical methods.**

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