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Structural topology optimization with minimum distance control of multiphase embedded components by level set method

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- We present topology optimization with distance control of embedded components;
- Both structural topology and multi-component layout are represented by level set;
- Specified geometries of component can be well preserved thanks to level set model;
- A unified level set-based distance constraint for arbitrary components is proposed;
- Explicit integral form of the distance constraint facilitates sensitivity analysis.

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