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Minimum void length scale control in level set topology optimization
subject to machining radii

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Highlights

- This paper presents a minimum length scale control method for structural topology optimization.
- Two lower bounds are concurrently applied which corresponds to the rough and finish machining operations, respectively.
- The rough machining lower bound is satisfied by developing a signed distance-related constraint.
- The finish machining lower bound is addressed through the curvature flow control.

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