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Atomistic origin of size effects in fatigue behavior of metallic glasses

Zhendong Sha, Wei Hin Wong, Qingxiang Pei, Paulo Sergio Branicio, Zishun Liu, Tiejun Wang, Tianfu Guo, Huajian Gao

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Highlights

- SB thickening is found to be the inherent fatigue mechanism for nanoscale MGs.
- Small sample increases fatigue life while large sample promotes cyclic softening.
- Our findings are rationalized by Gurson model and the surface tension of nanovoids.

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