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Fatigue Resistance of Branching Phase-transformation Fronts in Pseudoelastic NiTi Polycrystalline Strips

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**Highlights**

- The front morphology of the Lüders-like band depends on the NiTi strip thickness.
- The fatigue failure of NiTi strip prefers to occur at the Lüders-like band front.
- The front branching in NiTi strip has influence on the fatigue life.

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