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A method for determining material's equivalent stress-strain curve with any axisymmetric notched tensile specimens without Bridgman correction

Shengwen Tu , Xiaobo Ren , Jianying He , Zhiliang Zhang

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Highlights

- A correction function is proposed to determine material's equivalent stress-strain curve with any axisymmetric notched tensile specimens.
- No Bridgman correction is needed.
- The proposed correction function can be applied to perfectly plastic materials.
- The proposed correction function can be used to measure the equivalent stress-strain curve of each individual material zone in a weldment.

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