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Overcoming the drawbacks of plastic strain estimation based on KAM

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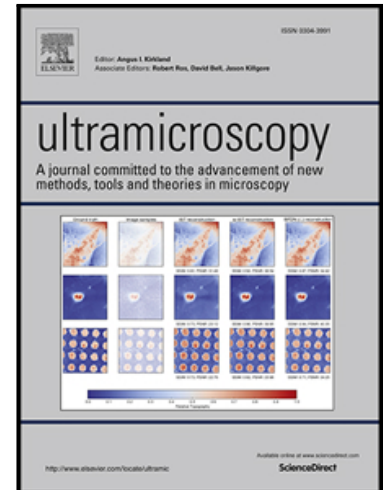
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## Highlights

- Effects of EBSD step length and grain size on KAM are simple to compensate for.
- The effect of measurement error on KAM can be drastically reduced using a filter.
- GOS is overall superior to KAM for plastic strain assessments.
- Plastic strains of weld-deformed Alloy 690 measured in three component mockups.

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