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On The Fragmentation Characteristics Of Melt Jets Quenched In Water

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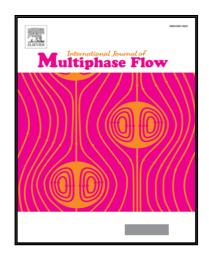
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#### ACCEPTED MANUSCRIPT

### **Highlights**

- An experimental investigation of jet breakup and debris formation was carried out.
- Melt jet and water interactions were recorded by high speed visualization.
- Relative contributions of thermal vs. hydrodynamic fragmentation were quantified.
- Effects of material properties, melt superheat and water subcooling were discerned.

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