
Immersion Fluid Summary

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Summary

- **Fluid**

- Metrology now exists for rapid turn fluid index measurements
- Macroscopic CFD models have been verified experimentally
 - Parametric study performed on dispense and recovery
 - Normal forces on lens must be carefully managed
- Bubbles may be entrained under certain flow & topography conditions
- Thermal aberrations: manageable

- **Bubble formation from resist outgassing**

- Preliminary results encouraging; metrology exists to evaluate

- **Fluid-lens interface**

- Fluid purity critical: baseline performed with no deposition
- Protective coating laser durability not yet demonstrated