Abstract Submitted
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3 dimension 3 coordinate velocity measurements of electrothermal vortex using Interference micro Particle Tracking Velocimetry CRAIG SNOEYINK, STEVE WERELEY, Purdue University — We present velocity measurements of an electrothermal vortex using Interference micro Particle Tracking Velocimetry (I-μPTV). These measurements are compared to results obtained using Astigmatism micro-Particle Tracking Velocimetry (A-μPTV). We will also demonstrate several of the advantages of this system such as an increased measurement volume thickness as well as the ability to use small particles (< 1 μm diameter).

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