

## Taylor-Couette Flow

Application Note PIV-009

Researchers at Northwestern University used a TSI PIV system to investigate wavy Taylor vortex flows between two concentric rotating cylinders. In addition to obtaining full field, time-resolved, two-dimensional vector maps, special software was developed to capture a time sequence of over 16,000 smaller image pairs. These were processed using TSI's Insight PIV software and the resulting time-resolved velocity data used to calculate the power spectral density of velocity the fluctuations.

Please follow this link <http://widget.ecn.purdue.edu/~wereley/pivresearch.html> to Northwestern University to obtain more details and example result.



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