



TECHNOLOGY

Rainbow Surface Tension Analysis

OVERVIEW

Researchers at the University of Maryland have developed a new optical technique to determine the surface tension of a Newtonian liquid. The technique relies on detailed data analysis with respect to diffraction and fluid layer shape characteristics. Light and interference patterns scattered from the fluid layer provide data which is utilized for measuring the surface tension of the fluid. As a result, the invention provides a more accurate evaluation of the surface tension of a transparent fluid over earlier techniques.

For additional information, please contact the Office of Technology Commercialization, University of Maryland College Park, via e-mail at otc@umd.edu or phone at 301-405-3947.

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Additional Information

INSTITUTION

University of Maryland, College Park

PATENT STATUS

Patent(s) pending

LICENSE STATUS

Contact OTC for licensing information

CATEGORIES

- Imaging devices
- Sensors/Monitors

EXTERNAL RESOURCES

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