

Abstract Submitted
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Brillouin Light Scattering Measurements of the Temperature Dependence of the Hypersonic Sound Speed in Isopropanol ROBERT COAKLEY, MICHAEL GUERRETTE, University of Southern Maine, DOUGLAS MURPHY — The temperature dependence of the sound speed has been measured between 18 and 31 degrees Celsius. For sound waves with frequency from 3.3 to 3.5 GHz and wave number 18 Mrad/m, the temperature coefficient was found to be -5.3 m/s/K with an uncertainty of 2%.

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