

A LOCAL CHANGE OF THE ELECTRIC
PROPERTIES OF LIQUID DUE TO
ULTRASONICS

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S u m m a r y

The influence of ultrasonis on liquid specific resistance is experimentally investigated. It is shown that the specific resistance of silica oil falls by more that three orders. This phenomenon is characterized by a threshold, which correlates with the threshold of excitation of a precavitating process between the cuts of capillaries. It is shown that, by using two capillaries to locate the pulsation bubble, one can form a stable conductive bridge in dielectric liquids.