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Image Processing Method in Estimation of Bubble Column's Work

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This paper presents an experimental study of identification and analysis of two phase gas-liquid flow using image processing method. The process of two phase flow has been realized in bubble column. The continuous and dispersed phases were water and air, respectively. The gray level value of the obtained recordings from gas-liquid flow was the basic parameter for process investigation. Based on this parameter it was possible to calculate and determine many important statistical characteristics of two phase gas-liquid flow.

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