



Flow Development Length and Inlet Effect in Vertical Two-phase Flow

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Abstract:

The aim of this work was to analyze inlet effect and patterns development length of the vertical gas-liquid flow experimentally. The study was conducted in multiphase rig with a test section of 18m long pipeline and 60 mm internal diameter. Two types of inlets were considered. Four conductivity probe rings were installed at four different positions along the test section. Water flow rate was kept at 0.07 m/s by adjusting pump fre-

International Conference on Biofuel & Bioenergy; February 18-19, 2020; Dubai, UAE

Citation: Adella S; Flow Development Length and Inlet Effect in Vertical Two-phase Flow; Biofuel 2020; February 18-19, 2020; Dubai, UAE