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Lonely GPFUTV–the movement of water under the action of unknown vacuum[1] WEIYI LIN[2], Independent Investigator of GPFUTV — In this paper, firstly, the experiment on the flow resistance of the aerated pipe flow is introduced. The experimental research on comparison between different volumes of air entrained is presented. Secondly, the characteristics of gravity pipe flow under the action of Torricelli's vacuum, shortly called as GPFUTV are dissertated, including creative and functional design, fundamental principle, etc. Under the joint action of an unknown vacuum energy and the formation of non-aerated flow the water flow is full-pipe and continuous, high-speed and non-rotational as distinguished from turbulent flow. Thirdly, an appeal in relation to the experimental research, the applied studies and basic theory research is given. For instance, experimental study of Torricelli's experiment phenomenon in the vacuum environment, applied study of the potential for GPFUTV to be developed for deep seawater suction technology and lifting technology for deep ocean mining, theoretical study of flow stability and flow resistance under GPFUTV condition, etc. At last, the famous GPFUTV project is illustrated.

[1]12 years of rigorous and independent survey research
[2]I have spent most of the working hours in a survey of research on GPFUTV in the past twelve years. GPFUTV technology itself contains relevant applied research and basic research, which for classical Fluid Mechanics will be a revolutionary contribution.

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