

规划设计

气垫调压室与常规调压室双室引水系统的计算

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摘要 建立了描述具有上游气垫式调压室的水电站双室引水发电系统过渡过程状态方程,介绍了其数值解法并编制了计算程序。结合某一实际工程计算了上下游调压室的水位波动、气压室的压力变化和高压管道的水击压力,并讨论了气压室的初始状态对调压室底部压力的影响。

关键词 [气垫调压室](#); [常规调压室](#); [双室引水系统](#); [过渡过程计算](#)

Calculation of water diversion for air cushion surge chamber and conventional surge chamber

Abstract The equation of transition process state for double chamber water diversion system in hydropower station with upstream air cushion surge chamber is described. The numerical value solution is introduced and the calculation program is drawn up. The water level fluctuation of downstream surge chamber, the pressure variation of air pressure chamber and the water hammer pressure are calculated with an actual project, the influence of initial state for air surge chamber to bottom pressure of surge chamber is discussed.

Keywords [air cushion surge chamber](#) [conventional surge chamber](#) [double chamber water diversion system](#)

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