Simulation of flow structure in the suction pipe of a hydroturbine by integral characteristics - DTU Orbit (28/01/2019)

Simulation of flow structure in the suction pipe of a hydroturbine by integral characteristics
Within the framework of a model of a twisted flow of an inviscid incompressible liquid, we solve the problem of determining the frequency and amplitude of oscillations caused by the precession of a helical vortex core in the suction tube of a hydroturbine from the specified integral characteristics: vortex intensity, liquid flow rate, and momentum and moment of momentum fluxes. © 2006 Begell House, Inc.

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