

# **The Hydraulic Problems Of The Swell-Current Interaction In Water Discharge And Intake Structures**

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## **Abstract:**

This paper treats one of the problems that hydrotechnic designers encounter in the construction projects of thermo electrical plants, where a particular attention must be given to the hydraulic calculation of the sea water intake and discharge structure. In fact, the influence of the swell and its combined action with the flow affects the stability of these hydrotechnic structures which influences much the sedimentary rate of the structure, in particular the bottom erosion in the discharge area.