Modeling and Calculation of Physical Parameters of the Pollution of Water by Oil and Materials in Suspensions

Authors : Ainas Belkacem, Fourar Ali

Abstract : The present study focuses on the mathematical modeling and calculation of physical parameters of water pollution by oil and sand in regime fully dispersed in water. In this study, the sand particles and oil are suspended in the case of fully developed turbulence. The study consists to understand, model and predict the viscosity, the structure and dynamics of these types of mixtures. The work carried out is Numerical and validated by experience.