



The 2007 Sakhalin Island tsunami: observations and modeling

A.I. Zaitsev (1), D.P. Kovalev (2), A.A. Kurkin (1), B.V. Levin (2), E. Pelinovsky (3), A.G. Chernov (1), and A.C. Yalciner (4)

(1) State Technical University, Nizhny Novgorod, Russia, (2) Institute of Marine Geology and Geophysics, Yuzhno-Sakhalinsk, Russia, (3) Institute of Applied Physics, Nizhny Novgorod, Russia, (4) Middle East University, Ankara, Turkey

Instrumental and observed data of tsunami occurred on August 2, 2007 after the moderate earthquake (magnitude 6.2) on the Sakhalin Island (Russia) is discussed. Numerical simulation of the tsunami propagation in the Tatar Strait is performed in the framework of the shallow-water theory. Results of numerical calculations are in satisfactory agreement with observed data.