



Volcanic tsunami on Montserrat Island in the Caribbean Sea

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The chronicle of volcanic eruptions on the Montserrat Island (Caribbean Sea, Lesser Antilles) is given and the special attention is paid to eruptions in 1997 and 2003 which have brought in tsunami generation. For an estimation of tsunami parameters arising at these eruptions, the mathematical modeling in the framework of the nonlinear theory of shallow water and nonlinear-dispersive theory. The computed results are compared between them and also with available observation data.