P12. PARAMETERIZATION OF NONLINEAR WAVE TRANSFORMATION ABOVE UNDERWATER STRUCTURES

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On the base of laboratory experiment a nonlinear wave transformation above underwater reef and trench was investigated. It was revealed that underwater trench and reef can decrease the mean wave period. Dependencies of changes of mean wave period and significant wave height on relative length of underwater structure and water depth above it were obtained. The changes of symmetry of waves passing above underwater structures are discussed.