

THE ZAKHAROV EQUATIONS WITH ZERO  
HARMONIC AND MODULATION INSTABILITY

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S u m m a r y

It is shown that the new type of modulation instability of waves on a surface of the ideal fluid, which has been predicted recently by the author on the basis of a system of two equations of motion for the amplitude of an enveloping first harmonic and the non-oscillating component of a wave (the zero harmonic) within the method of multiple scales and the Euler equations of motion, can be reproduced with the help of the Zakharov equations for the Fourier amplitudes of the first and zero harmonics in the frame of the Hamiltonian formalism.