



On canonical equation for water waves

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Simple equation describing evolution of "almost" 1-D water waves is derived. This new equation is based on the important property of vanishing four-wave interaction for water waves. This property allows to simplify drastically well-known Zakharov's equation for water waves, which is very cumbersome. For pure 1-D case it is much more applicable than the nonlinear Schrödinger equation or the Dysthe equation