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**Review text:**

Complex  $\mathcal{PT}$ -symmetric multi-particle Calogero-type systems are shown obtainable from the real solutions of nonlinear wave equations. The procedure is exemplified via the initial choice of the Boussinesq equation for which the singularities in the real-valued wave solutions are reinterpreted as an  $N$ -plet of complexified Calogero-type particles in the scattering mode. Particular attention is paid to the implementation of the so called  $\mathcal{PT}$ - (i.e., parity times time reversal) symmetry and to the complex  $N = 2$  and  $N = 3$  systems. Classical solutions are also derived. As the third alternative to the two existing construction recipes offered by refs. [8] and [12] the new idea looks at least equally productive. The authors find the most promising immediate future projects both in the use of the next-step  $N > 3$  solitons and/or in some other choices of initial nonlinear wave equations, e.g., of KdV family.