

Thermodynamical characterization of Black Sea water by Pitzer's model

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Abstract .We made a simulation by Pitzer's model on the marine water of Black Sea. An equation has been developed with the guidance of statistical theories of electrolytes which is designed for convenient and accurate representation and prediction of the thermodynamic properties of aqueous electrolytes including mixtures with any number of components by Pitzer and collaborators [1]. We obtained original results for activity and osmotic coefficients on the Black Sea water samples for 6 different collecting points on the Romanian Sea Coast.

Keywords: electrolyte, solution, marine water, Pitzer's model, simulation.
