



## Dissolved Gas Concentration in Water: Computation as Functions of Temperature, Salinity and Pressure (Hardback)

By John Colt

Elsevier Science Publishing Co Inc, United States, 2012. Hardback. Book Condition: New. 2nd Revised edition. 231 x 155 mm. Language: English . Brand New Book. Aquacultural, oceanographic, and fisheries engineering, as well as other disciplines, require gas solubility data to compute the equilibrium concentration. These calculations, for example, can affect the output of aquacultural production or assist in environmental consulting. Until now, published solubility information has not been available in a consistent and uniform manner in one location. This book presents solubility concentrations of major atmospheric gases (oxygen, nitrogen, argon, and carbon dioxide), noble gases (helium, neon, krypton, and xenon), and trace gases (hydrogen, methane, and nitrous oxide) as a function of temperature, salinity, pressure, and gas composition in a variety of formats. Data, equations, and theory are explained so that the user is able to understand the calculations and problems. Furthermore, data and solubility information are presented in a range of units to make them accessible across disciplines. This book will help the reader to look at a problem from a quantitative viewpoint and better understand carbonate chemistry. It is revised from the earlier edition to include more accurate carbon dioxide tables and separate sections on the solubility of...



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