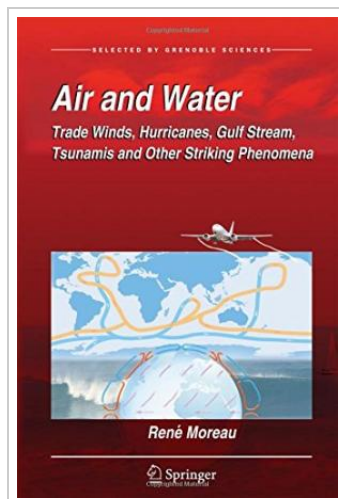




Air and Water

By René Moreau

Springer-Verlag GmbH Aug 2017, 2017. Buch. Condition: Neu. Neuware - Air and water are so familiar that we all think we know them. Yet how difficult it remains to predict their behavior, with so many questions butting against the limits of our knowledge. How are cyclones, tornadoes, thunderstorms, tsunamis or floods generated - sometimes causing devastation and death? What will the weather be tomorrow, next week, next summer? This book brings some answers to these questions with a strategy of describing before explaining. Starting by considering air and water in equilibrium (i.e., at rest), it progresses to discuss dynamic phenomena first focusing on large scale structures, such as El Niño or trade winds, then on ever smaller structures, such as low-pressure zones in the atmosphere, clouds, rain, as well as tides and waves. It finishes by describing man-made constructions (dams, ports, power plants, etc.) that serve to domesticate our water resources and put them to work for us. Including over one hundred illustrations and very few equations, most of the text is accessible to readers with no more than high-school science and who are at ease with quantities such as the temperature of a fluid or the pressure within such a...



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