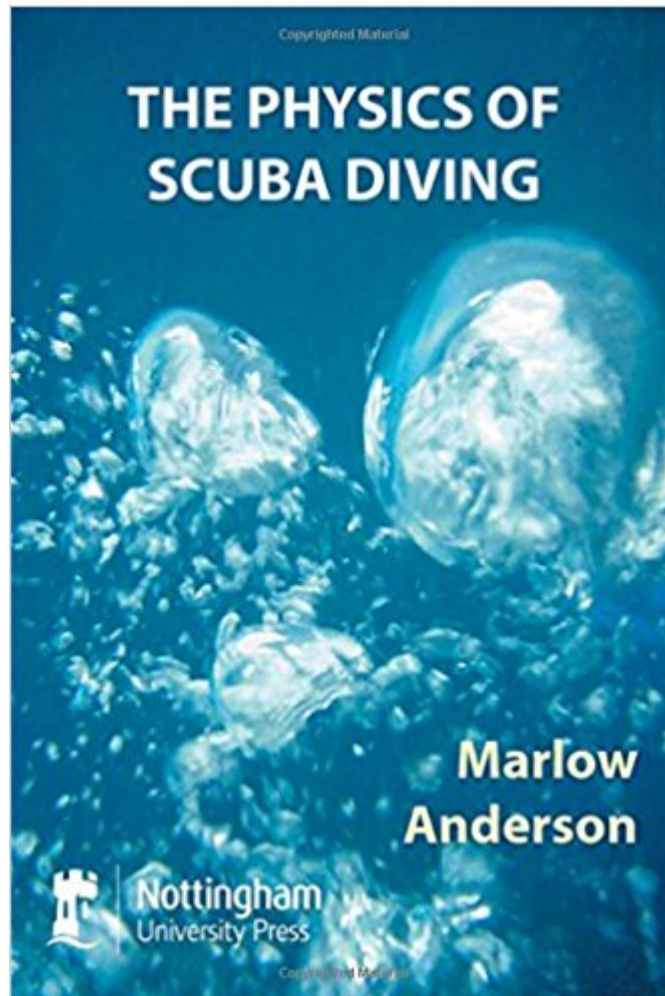




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The Physics Of Scuba Diving



Synopsis

This book provides a fun introduction to the mathematics and physics needed to really understand scuba diving; it was written by an enthusiastic scuba diver, who is also a mathematician. The book is written for the lay person, and assumes only a willingness to express basic scientific relationships using mathematical equations. The book describes all of the basics regarding pressure, depth and density, covered more completely than in the typical open water diving course. But in addition, it looks at the mathematical background for dive tables and dive computers, tools divers use to avoid getting decompression sickness. The book explains the basic Haldane theory of nitrogen on-gassing and off-gassing, in more depth than is found in the popular literature. The book would appeal to divers interested in a bit more background that is available in the popular literature, and to people interested in how basic science and mathematics has a large impact on the sport of scuba diving. The book has been used as a textbook for a popular introduction to mathematical thinking.

Book Information

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Customer Reviews

Marlow Anderson is a professor of mathematics at Colorado College and an assistant diving instructor. He is the coauthor of *Sherlock Holmes in Babylon and Other Tales of Mathematical History* and *Who Gave You the Epsilon?* He lives in Manitou Springs, Colorado.

Professor Anderson taught a popular elective course at prestigious Colorado College called the *Mathematics of Scuba Diving*. Eventually he converted his lecture notes to this textbook. No calculus required. A fun but serious read for those who enjoy either math or scuba. Full disclosure - I

critiqued a late draft of the manuscript.

This book provides what Agencies' books generally skip. That's the Maths and Physics behind the technique. I really appreciate such formulation. The whole subject matter is enriched with interesting exercises.

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