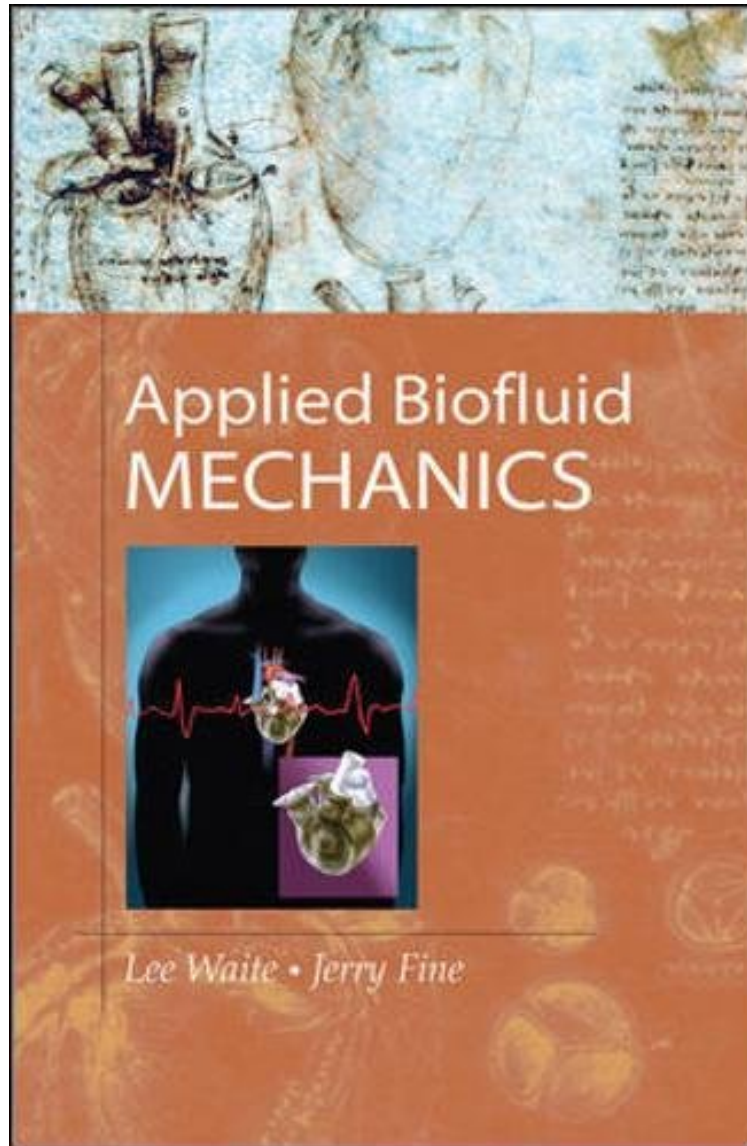


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Applied Biofluid Mechanics

Lee Waite, Jerry Fine

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Improve Your Grasp of Fluid Mechanics in the Human Circulatory System and Develop Better Medical Devices
Applied Biofluid Mechanics features a solid grasp of the role of fluid mechanics in the human circulatory system that will help in the research and design of new medical instruments, equipment, and procedures. Filled with 100 detailed illustrations, the book examines cardiovascular anatomy and physiology, pulmonary anatomy and physiology, hematology, histology and function of blood vessels, heart valve mechanics and prosthetic heart valves, stents, pulsatile flow in large arteries, flow and pressure measurement, modeling, and dimensional analysis.

About the Author Lee Waite, Ph.D., P.E., is Head of the Department of Applied Biology and Biomedical Engineering, and Director of the Guidant/Eli Lilly and Co. Applied Life Sciences Research Center. He is also the author of Biofluid Mechanics in Cardiovascular Systems, published by McGraw-Hill. Jerry Fine, Ph.D., is Associate Professor of Mechanical Engineering. Before he joined the faculty at Rose, Dr. Fine served as a patrol plane pilot in the U.S. Navy and taught at the U.S. Naval Academy.