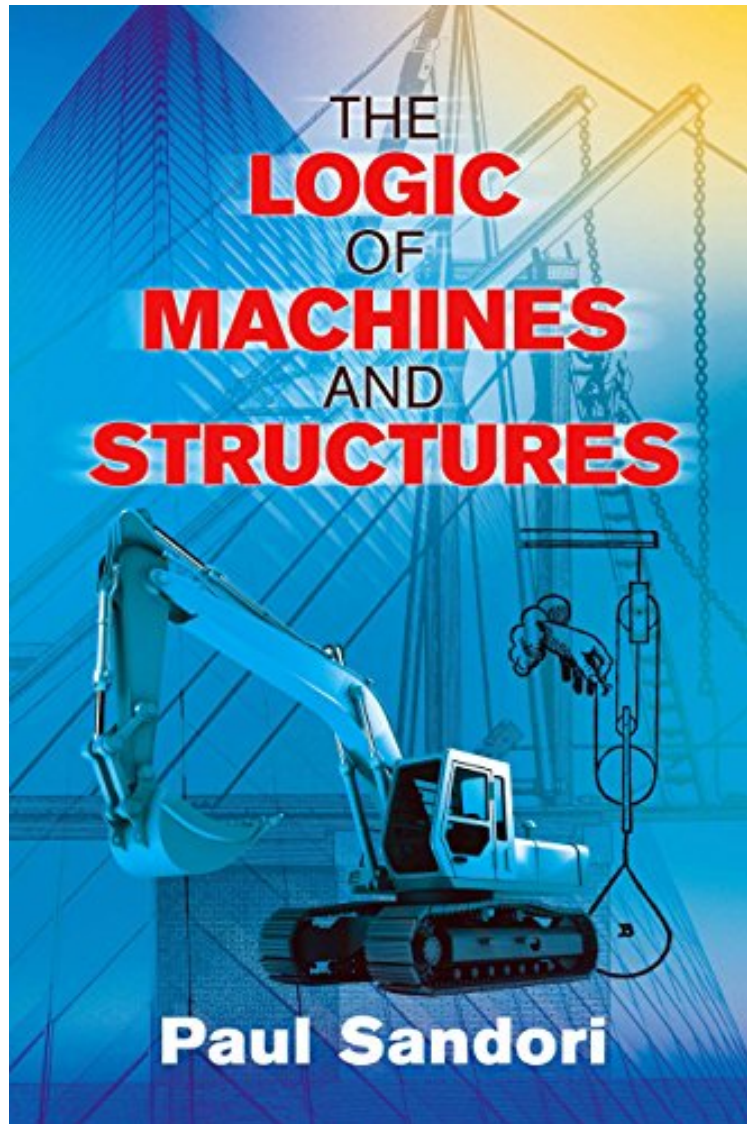


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The Logic of Machines and Structures (Dover Books on Engineering)

Paul Sandori

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Paul Sandori : The Logic of Machines and Structures (Dover Books on Engineering) before purchasing it in order to gauge whether or not it would be worth my time, and all praised The Logic of Machines and Structures (Dover Books on Engineering):

Based on common, everyday phenomena, the principles governing the balance of forces on machines and structures

are extremely straightforward. Their expression in mathematical form, however, obscures their clarity. This volume exposes the principles of statics in their original simplicity, presenting them as an exercise in logic. The modern analytical method of reasoning is carefully preserved to assist students in their grasp of the thinking that underlies mathematical methods of analysis. Suitable for architecture and engineering students as well as other readers with minimal background in mathematics, this unique treatment also restores enjoyment to the study of statics. Author Paul Sandori develops the subject using crucial highlights and discoveries in the field's historical evolution, noting the brilliant early insights and intuitions that contributed to the modern science. The text is complemented by illustrations of source materials from Galileo, Newton, and others that document the discipline's evolution.

About the Author A practicing engineer with a specialty in building science, and a Fellow of the Royal Architectural Institute of Canada, Paul Sandori served for 29 years on the faculty of the University of Toronto. He is now Senior Consultant with construction consultants Revay and Associates Ltd.