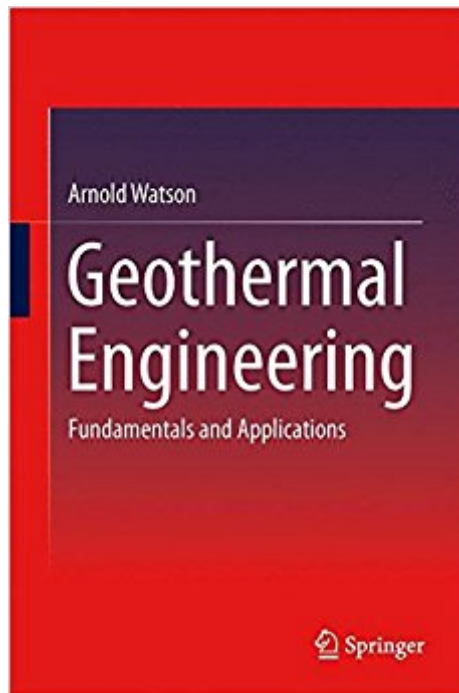




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# Geothermal Engineering: Fundamentals And Applications



## Synopsis

This book explains the engineering required to bring geothermal resources into use. The book covers specifically engineering aspects that are unique to geothermal engineering, such as measurements in wells and their interpretation, transport of near-boiling water through long pipelines, turbines driven by fluids other than steam, and project economics. The explanations are reinforced by drawing comparisons with other energy industries.

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This book explains the engineering required to bring geothermal resources into use. The book covers specifically engineering aspects that are unique to geothermal engineering, such as measurements in wells and their interpretation, transport of near-boiling water through long pipelines, turbines driven by fluids other than steam, and project economics. The explanations are reinforced by drawing comparisons with other energy industries. This book also: Presents the only comprehensive treatment of geothermal engineering Connects problems and technologies of geothermal engineering to a variety of related topics in earth science, economics, and project oversight Covers techniques developed in the petroleum industry and explains these techniques at a fundamental level Includes material for practitioners and students of various engineering disciplines and earth scientists Geothermal Engineering: Fundamentals and Applications is appropriate in coverage and rigor for practitioners working in the energy and environmental resource sectors. The volume also finds an audience within the growing number of upper-division

undergraduate and graduate courses in geothermal engineering and geothermal energy offered through various engineering departments and programs in earth science.

Arnold Watson was most recently Director of the Geothermal Institute at the University of Auckland, from which he retired and entered private consultancy in 2003. His previous appointments include Geothermal Division Manager at KRTA (KML) Ltd., Auckland; Lecturer in Engineering, Simon Engineering Laboratories, University of Manchester; and Scientific Officer, UK Atomic Energy Authority. He holds a PhD from the University of London.

Very informative text.

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