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basics of hydrology, pipelines, and open channels. Also includes both hydrologic background and traditional hydraulics. A good balance of theory and applications and extensive appendices, including selected computer programs, round out the text.

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Hydraulic Fluid Power provides readers with an original approach to hydraulic technology education that focuses on the design of complete hydraulic systems. Accomplished authors and researchers Andrea Vacca and Germano Franzoni begin by describing the foundational principles of hydraulics and the basic physical components of hydraulics systems. They go on to walk readers through the most

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This book has been documented with the aim to include those fundamentals of 'Hydraulic Machines' which are necessary at graduate level engineering courses of any University. Basic hydraulics is extensively used in various applications in industry, construction, mining and marine engineering. The subject is part of graduate level engineering courses in mechanical, civil, mining, and marine engineering studies worldwide. Most of the literature, however, is either written with a commercial objective to promote the sale of the manufacturers or is theoretically too advanced for comprehension by graduate level engineering students. The rapid advancement in design, miniaturization, metallurgy, and hydraulic fluid characteristics has stimulated the demand for an elementary book, explaining fundamentals. Readers are supposed to be

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familiar with the elementary fluid mechanics, and basics of gears, piston, crank, and different levers. This book includes those fundamentals of fluid transmission of power that are necessary in graduate mechanical engineering, civil engineering, mining engineering, and marine engineering courses of any university.

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