

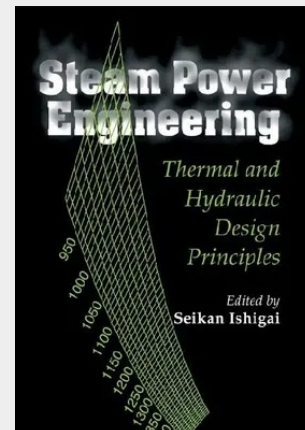
Ishigai

Steam Power Engineering

Thermal and Hydraulic Design Principles

Originally published in 1999, this book takes a probing and specialist look at the many important advances which occurred in steam power in the fifteen years leading up to its publication. Large power plants as well as small-capacity boilers became more efficient and reliable, and their design and operation were enhanced by the application of modern computational techniques. This book provides a comprehensive review of such developments in steam power engineering. It discusses thermohydraulic principles and processes, with an emphasis on practical problems of steam power plant design and operation. Among topics covered are historical analysis, cycle design, thermal and hydraulic design of heating surfaces, pollutant control, and flow instability, from which are deduced strategies for further development. Originally intended for both students and engineers, the book treats realistic problems and offers a wealth of valuable insight into the design of large and small steam power plants.

This 1999 book examines the important advances in steam power in the fifteen years leading up to its publication.



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