

## Mass Transfer Nptel

This book has been developed to enable engineering students understand basic concepts of Thermal Engineering in a simple and easy to understand manner.

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A steam/thermal power station uses heat energy generated from burning coal to produce electrical energy. ... From the turbine the steam is cooled back to water in the Condenser, the resulting water is fed back into the boiler to repeat the cycle.

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The first edition of this book was co-published by Ane Books India, and CRC Press in 2008. This second edition is an enlarged version of the web course developed by the author at IIT Madras, and also a modified and augmented version of the earlier book. Major additions/modifications presented are in the treatment of errors in measurement, temperature measurement, measurement of thermo-physical properties, and data manipulation. Many new worked examples have been introduced in this new and updated second edition.

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The complete editorial contents of Qpedia Thermal eMagazine, Volume 2, Issues 1 - 12 features in-depth, technical articles on the most critical topics in the thermal management of electronics.

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This book focuses on solar-energy-based renewable energy systems and discusses the generation of electric power using solar photovoltaics, as well as some new techniques, such as solar towers, for both residential and commercial needs. Such systems have played an important role in the move towards low-emission and sustainable energy sources. The book covers a variety of applications, such as solar water heaters, solar air heaters, solar drying, nanoparticle-based direct absorption solar systems, solar volumetric receivers, solar-based cooling

