

# Preface

The book is based on the notes prepared for the courses taught by the author at Indian Institute of Technology Madras. The book gives the derivation of the model of power system components such as synchronous generator, transformer, transmission line, DC transmission system, flexible AC transmission systems, excitation system, and speed governor. The model of load and prime movers are given without derivation. The book can serve as a text for a short graduate course on power system modelling, or as a supplement for graduate courses on power system stability and flexible AC transmission systems.

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Components

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