



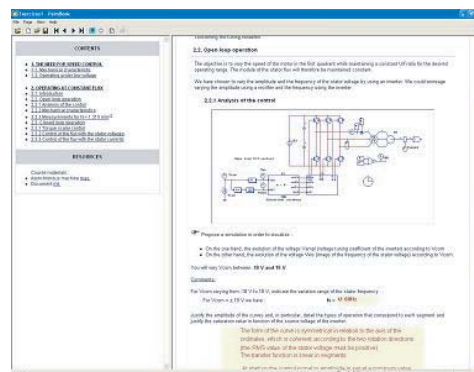
PSIM INTERACTIVE EXERCISES BOOK

Key Features

- ➔ Ready to use exercises
- ➔ 2 in 1 interactive application
- ➔ Pedagogical quality of exercises
- ➔ Ideal for self evaluation

PSIM Exercises for PSIMBook have been specially developed for schools and universities to help professors and teachers in their teaching work. It is a package including ready to use and interactive exercises in different field of Power Electronics and Electrical Machines.

Each exercise includes a lesson plan, with the content, the specific objectives, the required knowledge and the ressources (summary of course and datasheets). For each system we present the industrial context, the approach and the context of the study.



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Thanks to this tool and to the pedagogical qualities of the exercise students will discover power electronics in a new way. They will use a 2 in 1 tool with exercises and the simulation software in the same application.

These exercises are available with PSIMbook which is an add-on module of PSIM professional and Student version.

PSIM Exercises

Industrial Networks:

- Harmonic's Passive Filter for Supply Networks
- Rectifier with Sinusoidal Current Absorption (UPFC) *
- Distribution Transformer

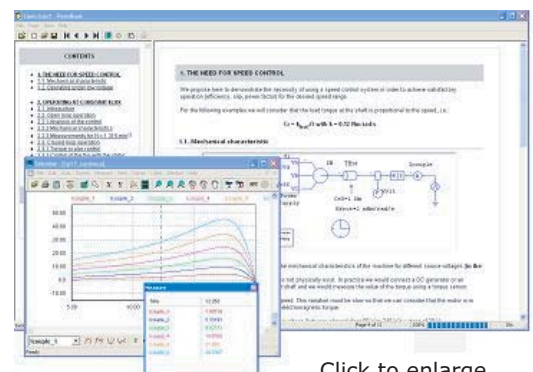
Motion Drive:

- Speed Control of DC Motor
- Series Excited DC Motor
- Separately Excited DC Motor Identification
- Characteristics of Asynchronous Machines (wind turbine)
- Self-Controlled Synchronous Motor Drive *
- Scalar Control of Asynchronous Machines *
- Vector Control of Asynchronous Machines *

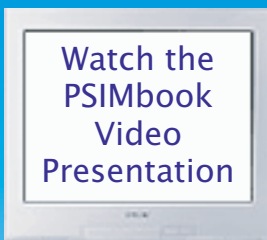
Power Converters:

- Command of Single Phase AC Choppers
- Command of Three-Phase Voltage Source Inverters
- Command of Controlled Rectifiers

* PSIM Professional Version required.



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For more information www.powersys.fr