

CHA racterization and MOdELing EnvIRONment

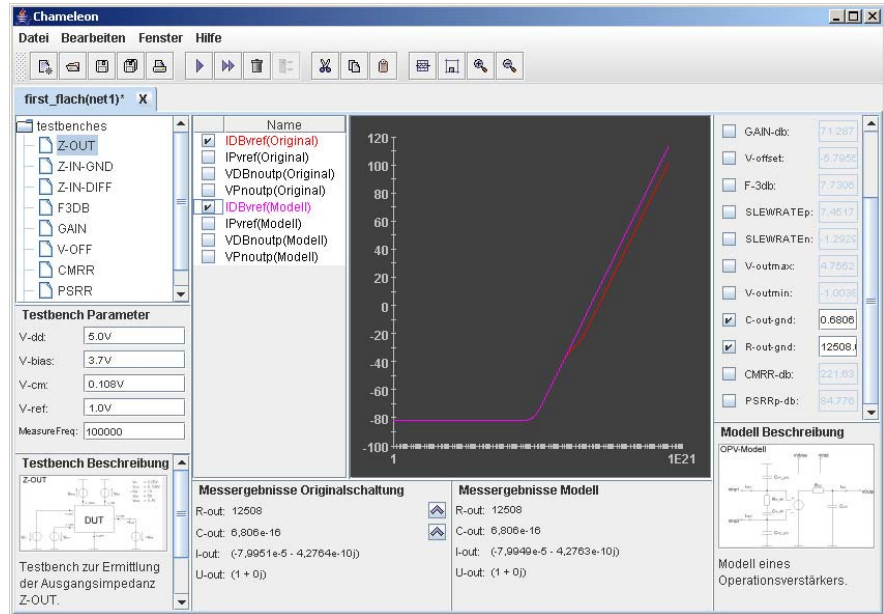
CHAMELEON

Objectives:

- Prototype of a flexible, open modeling platform
- Integration of different modeling methods intended
- Framework for simulation and post processing tools

Operations:

- Characterization of circuit designs within testbenches
- Extraction of characteristic values from simulation data
- Parametrization of given model templates
- Model generation



Environment:

- Management of testbenches and model templates
- Controlling the tools and scenarios via Python scripts
- Java-based GUI

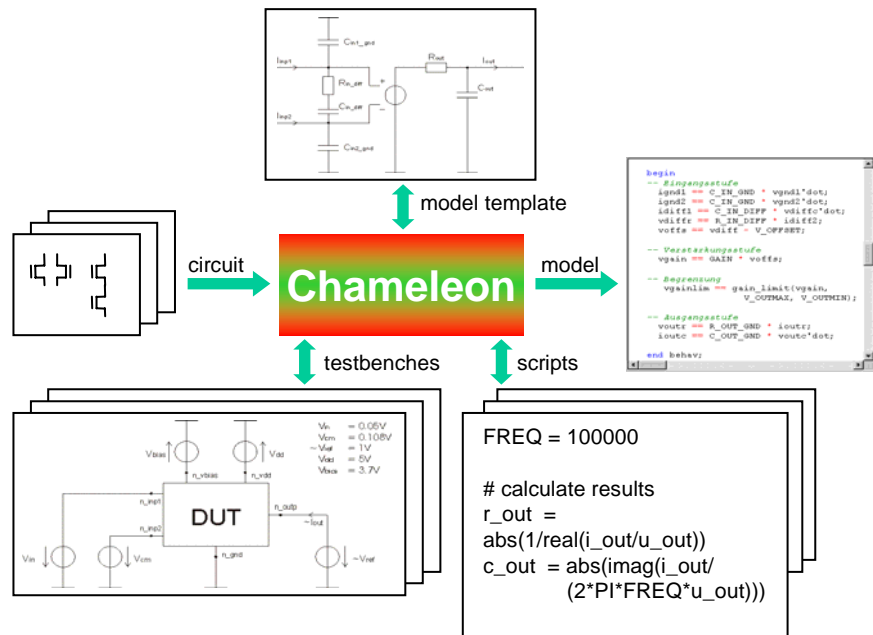
Modeling is very important in analog circuit design for verification as well as to support a systematic synthesis flow. Nevertheless it is still mainly handwork. With CHAMELEON we introduce an open modelling platform that

allows designer's tasks like circuit characterization, model parameterization and generation to be automated. The platform is open to other modeling methods like generation of table models, approximation, and optimization.

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