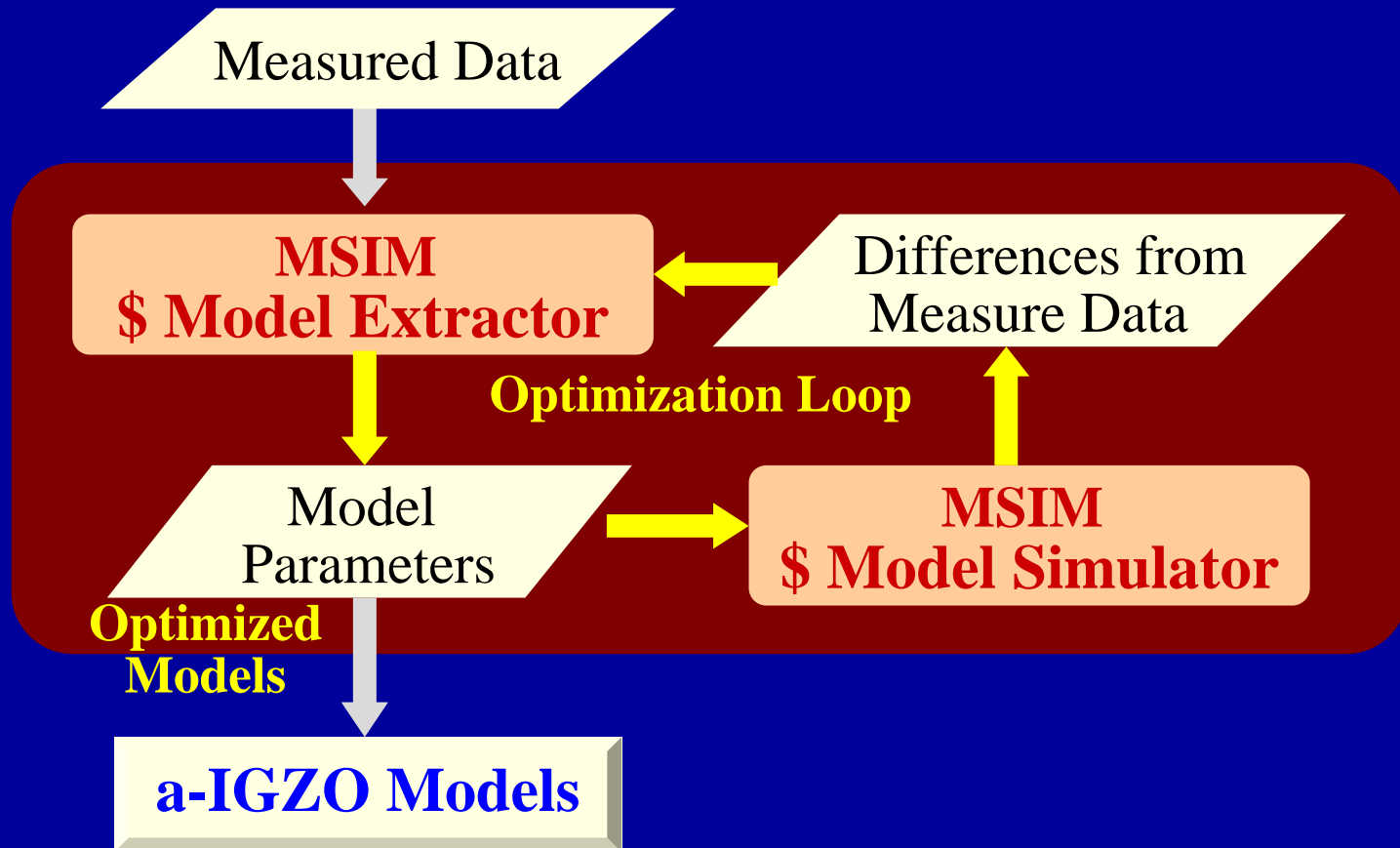


MSIM-IGZO Model Extraction



MSIM-IGZO Model Extraction

Input and Output

Input

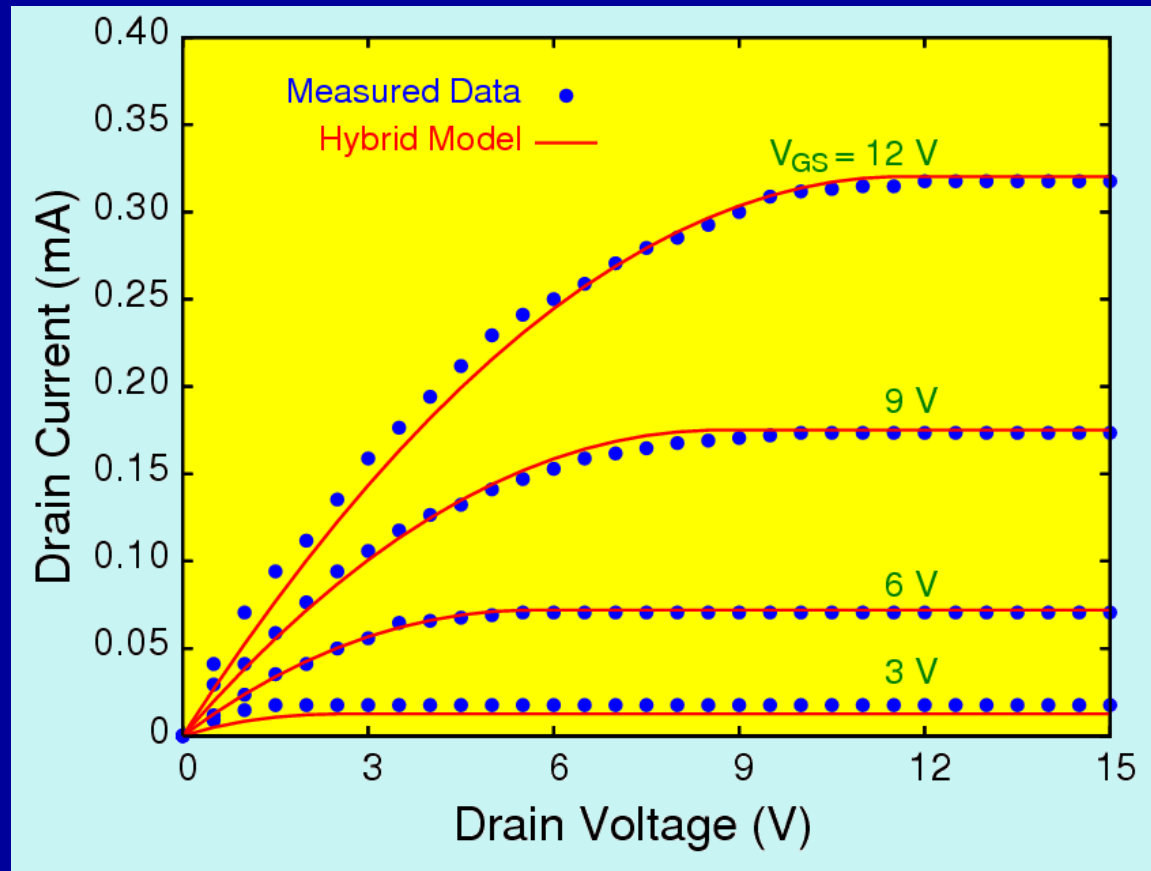
- ◆ Process Data
 - Length
 - Width
 - Ambient temperature
- ◆ Measured Data
 - Currents (I vs. V)
 - Capacitances (C vs. V)

Output

- ◆ A set of a-IGZO model parameters that fit measured data and can be simulated by MSIM or other tools

Model Extraction Benchmark

I_{DS} versus V_{DS}



Model Extraction Benchmark

I_{DS} versus V_{GS}

