Self-Heating Effects
MSIM-OTFT Models

- Self-heating effect becomes obvious during signal transition.
- The 'delt' reports the device temperature changes in the diagram on the right.
Model Extraction Benchmark

$I_D$ versus $V_G$
MSIM-OTFT Model Refiner

- Existed OTFT Models
- Measured Data
- MSIM $ Model Refiner
- Differences from Measure Data
- Optimization Loop
- Model Parameters
- MSIM $ Model Simulator
- Optimized Models
- Refined OTFT Models

Legend
Technology Leader in Model Extraction and Circuit Simulation
Model Refining Benchmark

- $V_{GS} = -5$ V
- $V_{GS} = -10$ V
- $V_{GS} = -15$ V
- $V_{GS} = -20$ V

Legend

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