



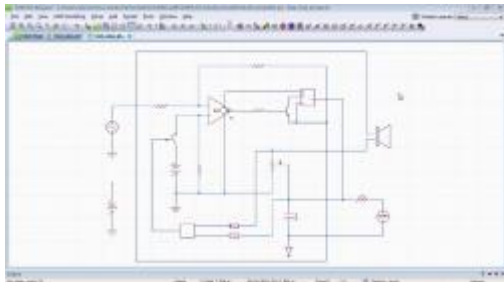
personal automated design system

## PADS AMS Design Suite

From analyzing to realizing, PADS AMS Design Suite helps you achieve circuit-creation goals

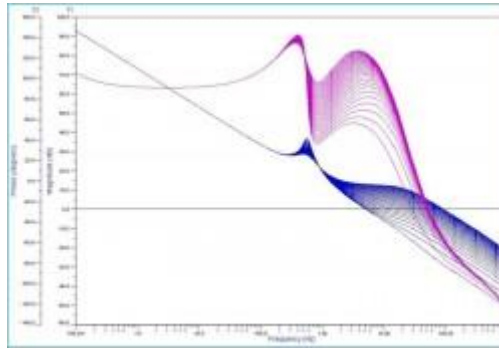
Produce electronic product designs faster and easier while ensuring design intent, performance, and reliability in a complete design capture solution and virtual prototyping environment.

Configured specifically to deliver the technology breadth and feature depth needed to solve today's circuit-design challenges, PADS® AMS Design Suite combines powerful schematic design capabilities with advanced simulation technologies, in a tightly integrated workflow.



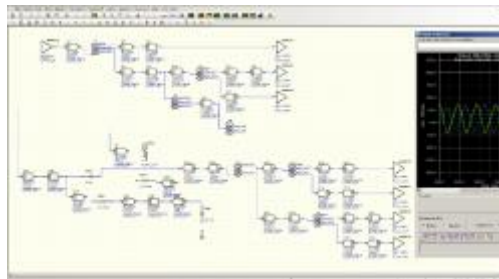
A complete schematic design solution for circuit simulation and PCB design

Intuitive project and design navigation, complete hierarchical support, and advanced design rule management make it easy to capture and define your schematic. Direct links to circuit simulation, topology exploration, and signal integrity analysis significantly boost efficiency and productivity.



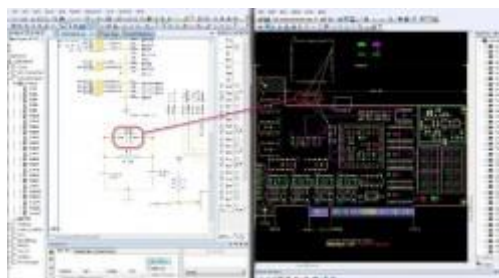
## Advanced circuit simulation with comprehensive analysis

Powerful and flexible VHDL-AMS and SPICE-based modeling and simulation technology enable virtual prototyping for mixed-signal/mixed-technology PCB circuits and optimization for real-world variability and conditions.



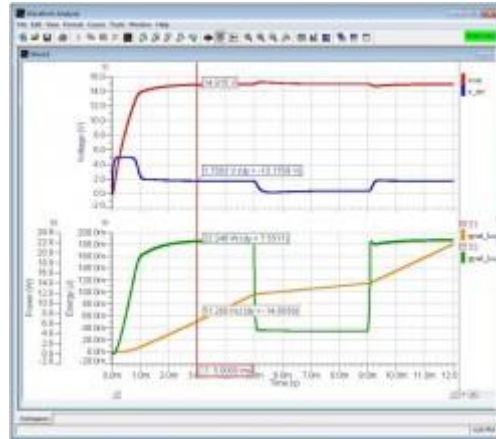
## Pre-layout simulation and topology exploration

Identify optimal interconnect topologies and simulate critical nets to maximize signal quality, optimize termination components and values, and define layout constraints and board stack-up requirements.



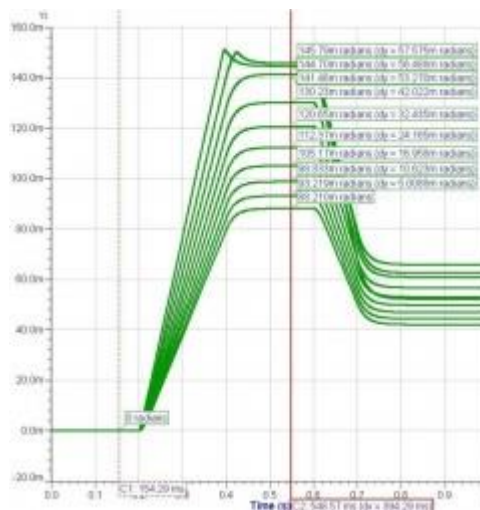
Import cloud-based circuits and drive both simulation and PCB

Use the schematics built into PADS AMS Design Suite to drive circuit simulation and PCB design. Import circuits from PADS AMS Cloud automatically. A single schematic can do it all!



## Understand and verify circuit behavior with powerful SPICE and VHDL-based technologies

Model and simulate analog, mixed-signal, and mixed-technology circuits to ensure circuit requirements and performance goals.



## Perform scenario exploration and optimization against real-world variability

Determine which parameters or conditions most affect circuit performance and see how tolerances and variations influence design quality and meet manufacturing yields and cost objectives.