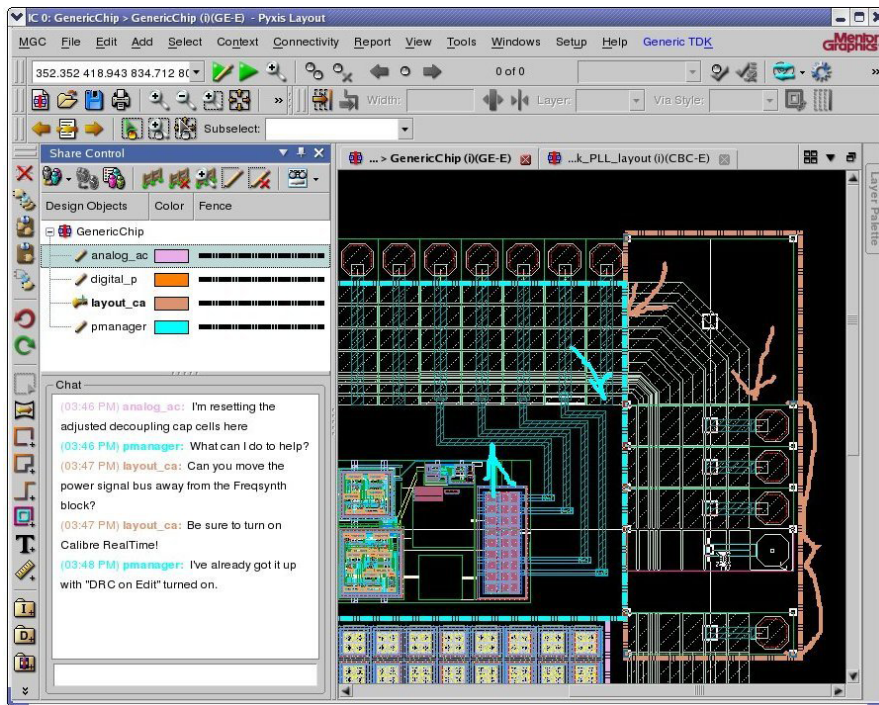


Pyxis Concurrent

Explore the Possibilities

Custom Integrated Circuit Design

D A T A S H E E T



Pyxis Concurrent enables multiple designer to simultaneously edit the same cell.

REDUCING TAPEOUT TIME

During tapeout, many edits usually need to be performed on the same cell. Mentor Graphics Pyxis® Concurrent enables multiple designers to simultaneously make edits on the same cell, thus removing a serious bottleneck during the last few weeks before tapeout. These multiple edits can range from simple DRC/LVS fixes to final chip assemble where cells are placed and connected.

THE CONCURRENT SESSION

Pyxis Concurrent allows designers to join a layout session in shared mode. Once in the session, designers can define their work area by creating a fence. Each designer can create one or more fences and can make edits to any shape or path that is wholly enclosed within their fence. These shapes are local to the session and are not stored with the design.

Currently, the shared session supports polygon level editing, which includes path and cell placements. The shared session allows designers

Key Benefits

- Enables simultaneous editing of the same cell by multiple designers.
- Reduces the time to tapeout.
- Reduces the time and effort to achieve DRC clean design.
- Improves team communication during the tapeout process.
- Supports editing across a local area network.

Key Features

- Designers able to define and control unique editing areas.
- Chat service for team communication.
- Virtual white board for team interaction.
- Undo stack per designer.
- Supports layout on a local network.
- Design data interchange using OpenAccess and GDS.

to work together on the same local network. Future releases of the technology will broaden this use model.

Every designer in the shared session can see the edits made by all of the other designers depending on the level of zoom. Each person logged into Pyxis Concurrent maintains a unique undo stack. The ability to undo local changes does not affect the edits that have been made by others in the shared session.

SAVING THE SESSION

While each designer is able to make edits independent of others in the session, the save step is common to everyone. Any designer can request a save, which triggers a message to all others that a save has been

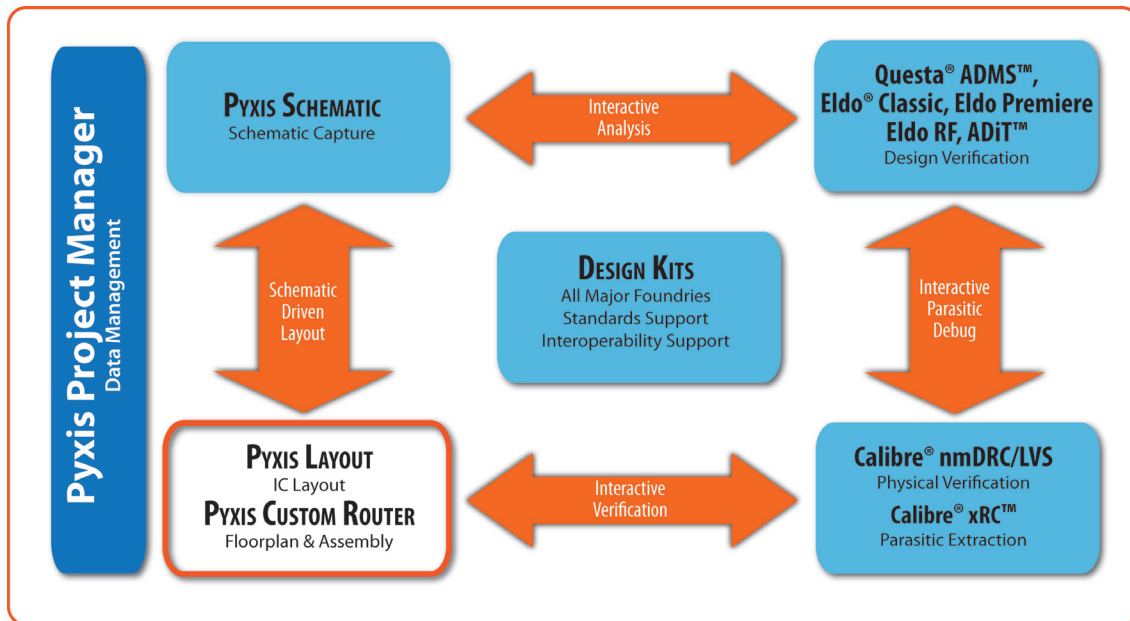
requested. When all of the designers have finished their local edits, all of the changes made are committed to disk.

DATA INTEGRITY

Until a save is performed, all designer changes are stored locally. If for some reason a designer loses communication with the server, only those changes that he or she made after the last save will be lost. The designer is then able to reconnect and start the shared editing session again.

DESIGN DATA INTERCHANGE

Pyxis Concurrent supports the interchange of design data through industry standard formats, including OpenAccess and GDS.



The Mentor Graphics Custom IC flow and its integrated schematic, extraction, and simulation tools allow you to take a design from system specifications to post-layout verification with a virtually seamless approach.

Visit our website at www.mentor.com/dsm

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