

SIMULIA's First New Release of Isight, Add-on Components, and Fiper for Accelerating Design Exploration

SIMULIA is pleased to announce its first new release of Isight, Add-on Components, and Fiper (3.5) since closing the acquisition of Engineous Software. These market-leading tools expand the SIMULIA portfolio of realistic simulation solutions and enable customers to combine multiple cross-disciplinary models and applications together in a simulation process flow, automate their execution across distributed compute resources, explore the resulting design space, and identify the optimal design parameters subject to required constraints.

Isight 3.5

Isight 3.5 (formerly named iSIGHT-FD) is a desktop product for creating simulation process flows, consisting of a variety of applications, in order to automate the exploration of design alternatives and identification of optimal performance parameters. Isight provides a suite of visual and flexible tools to set up simulation process flows and interconnect the computer software required to execute simulation-based design processes, including commercial CAD/CAE software, internally developed applications, and Microsoft Excel spreadsheets.

The rapid integration of simulation applications in a process flow, Isight's ability to manipulate and map parametric data between process steps, and the automation of the process execution greatly accelerate the evaluation of product design alternatives.

Additionally, by leveraging advanced techniques such as optimization, DFSS (Design for Six Sigma), approximations, Monte Carlo, and Design of Experiments (DOE), engineers are able to perform probabilistic studies and thoroughly explore the design space. Advanced, interactive postprocessing tools, such as the Visual Design Driver, allow engineers to see the design space from multiple points of view. Design trade-offs, sensitivity studies, and the relationships between parameters and results are easily understood and assessed, providing guidance to users to make the best possible design decisions.

Add-on Components

Isight comes equipped with a standard library of components, which form the building blocks of Isight process flows. A component is a container with its own interface for integrating and running a particular simulation application directly from within Isight.

SIMULIA also offers Add-on Components, an extension to the standard Isight library of components, that provide interfaces to Abaqus FEA software as well as other major third-party simulation applications and a range of design exploration/optimization algorithms. The Isight component architecture also supports the integration of customer-proprietary applications. This open integration technology is generic in order to work with a wide range of internally developed scripts, applications, and databases.

The Add-on Components offer customers great flexibility and benefit, including:

- Easy integration of your existing simulation applications in Isight
- Timely updates of high-quality Add-on Components through a release process that is independent from the release of the core Isight software
- Reduced simulation process costs

Fiper 3.5

Fiper, an add-on product to Isight, enables a group of engineers to share Isight workflows, distribute and parallelize their execution across available compute resources, and share results. The Fiper add-on can be accessed directly from Isight or from a customizable Web user interface.

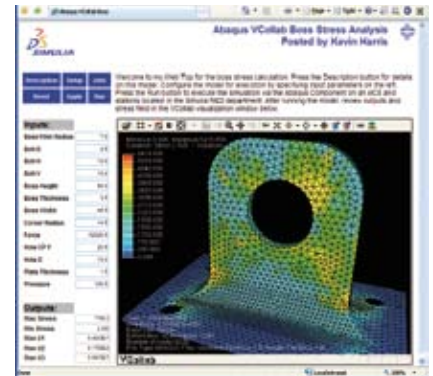
Using Fiper, engineering groups are able to execute complex, multidisciplinary design processes in the most cost-effective manner to quickly deliver more competitive and profitable products to the market.

Fiper streamlines engineering design processes by:

- Seamlessly integrating with your IT infrastructure
- Leveraging your existing hardware

resources as a powerful computing environment to more effectively and efficiently run complex models

- Providing a distributed product development infrastructure that allows organizations to access, execute, and reuse design tools and processes, including a Web-enabled front end



Fiper enables the execution of simulation workflows from a Web browser.

New & Improved Features of Isight and Fiper 3.5

- Users can now run more complex and larger models due to 64-bit native support.
- A new search capability has been added to Isight to assist in finding any component, parameter, or file in a simulation process flow.
- The improved Visual Design Driver enables users to view contour plots with superimposed constraint violations.
- The enhanced integration of Platform Computing's LSF with Fiper improves the reliability of distributed resource management of simulation jobs.
- Fast-running components can now use the Fiper DRM while resource-intensive work items use the Platform LSF DRM, improving simulation performance.

For More Information
simulia.com/products/isight