

Lab Software

What is Fluent?

Fluent is a fluid dynamics branch of ANSYS software (a CAD/Simulation software) that allows the user to model flow, turbulence, and heat transfer. For example, creating a model of the airflow over an aircraft wing. This is used mostly by Mechanical/Aerospace/Ocean Engineers.

Licensing

Florida Institute of Technology offers a network concurrent licensing for computer systems tagged with FIT Property stickers. Faculty and Staff who require the software for academic teaching purposes can request the software installation by contacting the [Technology Support Center](#). Students are not permitted to have ANSYS installations, they may use one of the many computer labs controlled by Lab Support Services.

Available Toolboxes and Seats

To request additional toolboxes or an increase to the number of seats per toolbox, please contact the [Technology Support Center](#) (When contacting please press Option 1 to contact Lab Support Services as they manage the license directly and will be able to provide information regarding the available Toolboxes).

Seats are the amount of users that can checkout a specific license component at a given time. As each toolbox is checked out, a seat is consumed until the user exits out of the toolbox or software to free their seat.

Olin.fit.edu Availability

This software is available through secure shell and the

server through the command "fluent" in the user prompt. More information about connecting to Olin.fit.edu server can be made through the Technology Support Center.

Maintaining of Software

The Lab Support Services, Information Technology department is primary responsible for all licenses and software maintainance. They can be contacted through the [Technology Support Center](#).

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Locatation of Software

The software can be found in all Lab Support Services, Information Technology supported multimedia classrooms, open-computer labs, and instructor workstations. For a complete list of these specific locations, please click here: [Computing Labs](#). Any computer that has Ansys installed on it will come with Fluent installed on it as well as it is part of the standard installation package.

Support requests can be forwarded to the Technology Support Center for processing by visiting their hompage at <http://www.it.fit.edu>.

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