

# TheConnector

March 2009

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## Pointwise Events

CFD Technologies' Pointwise Seminar  
Sheffield, UK  
16 March 2009

[Pointwise Seminar](#)  
Göteborg, Sweden  
19 March 2009

[Israeli CFD Center Seminar](#)  
Israel  
23 March 2009

[Fourth OpenFOAM Workshop](#)  
Montreal, Canada  
01-04 March 2009

[ASME Turbo Expo](#)  
Orlando, FL  
08-12 June 2009

[STAR American Conference 2009](#)  
Dearborn, MI  
22-23 June 2009

[AIAA CFD, Applied Aerodynamics, Fluid Dynamics Conferences](#)  
San Antonio, TX  
22-25 June 2009

[AIAA Joint Propulsion Conference](#)  
Denver, CO  
02-05 August 2009

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## Pointwise Release News



### Now in the Current Release

Details on the current Pointwise release, V16.02, can be found on our web site at:

[www.pointwise.com/library/pw\\_ReleaseNotes.pdf](http://www.pointwise.com/library/pw_ReleaseNotes.pdf).

Exciting **new** features in V16.02 include:

- Twenty-five mesh quality metrics can be computed and displayed using the Examine command. New capabilities relative to Gridgen include drag and drop cutting planes, interactive probing of individual cells, a movable and resizable color bar, and several new options for the graphical display. Automated mesh quality monitoring is available using Rules, a top-down means of gauging global mesh quality relative to user-defined limits.
- Computationally two-dimensional blocks consisting entirely of domains can now be created, their axes oriented, CAE boundary conditions set, and CAE files exported.
- Native interfaces to the following CFD solvers were added: OVERFLOW, GUST, TEAM, ADPAC, INCA V2, VSAERO, COMO, CFDSHIP-IOWA, CRUNCH, PHOENICS, DTNS, FANS, FALCON, FDNS/UNIC, Splitflow, CNSFV, NCC, NPARC, and TACOMA.
- The *Glyph2 Reference Manual* and the Glyph2 command manual pages are now available for use. The *Glyph2 Reference Manual* is included in each Pointwise installation in the doc/ directory. The Glyph2 command manual pages can be found online at [www.pointwise.com/glyph2](http://www.pointwise.com/glyph2).
- A new Mouse Style choice has been added to the Preferences command. Choosing Gridgen style makes the mouse buttons for panning, zooming, and rotating the image work just like Gridgen. You can also apply Gridgen's Left Pick option.
- A new selection preference has been added to the Preferences command. The default behavior for selection is for it to be exclusive; the mouse button selects the entity clicked on and unselects everything else. This behavior is modified by pressing Ctrl in addition to the mouse button so that selection is additive; the mouse button selects the entity clicked and does not change the selection status of anything else. The new preference lets you make the unmodified behavior of the mouse additive in the same manner that Gridgen worked.
- [And many more...](#)

### Coming In The Next Release

As a subscriber to *The Connector* you have access to a prerelease copy of the release notes for the next maintenance release. Find out what new features and fixes are currently slated for the next MR here:

[www.pointwise.com/library/Pointwise\\_Resolved\\_Issues.pdf](http://www.pointwise.com/library/Pointwise_Resolved_Issues.pdf).

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**Gridgen**

## Training Courses

### [Fort Worth, TX](#)

24-26 March 2009  
Gridgen Standard Course

### [Fort Worth, TX](#)

12-14 May 2009  
Gridgen 1 Day Advanced  
Pointwise 1.5 Day Standard

### [Dayton, OH](#)

09-11 June 2009  
Gridgen 1 Day Advanced  
Pointwise 1.5 Day Standard

[Full Schedule and Details](#)

[Register Here](#)

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## Resources

[Gridgen FAQ](#)

[Pointwise FAQ](#)

[The Pointwise Library](#)

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## Gridgen Release News

### Now in the Current Release

Details on the current Gridgen release, V15.13, can be found on our web site at:

[www.pointwise.com/library/relnotes.pdf](http://www.pointwise.com/library/relnotes.pdf).

Highlights include:

- Anisotropic cell topology is now stored in Gridgen's native file. This file can then be imported into Pointwise and exported to CGNS format using a new prism recovery algorithm that reduces total cell count by up to 40% relative to the algorithm in Gridgen.
- Prisms can now be extracted from an anisotropic tet block at any time, either prior to saving the block in the unstructured solver, or subsequently on return to the solver.
- Blocks are now also sorted by type (structured, unstructured, prism) when sorted by dimension for the block enable/disable Browser.
- Various software performance reports are resolved.

### Coming In The Next Release

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[www.pointwise.com/library/prereleases.pdf](http://www.pointwise.com/library/prereleases.pdf).

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## AIAA Turbulence Modeling Survey

The AIAA Turbulence Modeling Discussion Group is conducting a survey of Turbulence Modeling in CFD today - where it is... where it is headed, etc. Responses will help establish consensus views that may influence the future research priorities of funding agencies. The group would appreciate if you could give your opinions about this important topic. Go to:

[www.engineering.wright.edu/mme/tmb-survey.phtml](http://www.engineering.wright.edu/mme/tmb-survey.phtml)

Deadline is March 31st.

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## Pointwise Tricks and Tips

You can set BCs in Pointwise as soon as domains are created. They do not have to be a part of a block as in Gridgen. Also, domains will retain their BC assignment even after a change in CAE solver. Only the physical Type will have to be respecified per BC.

Happy meshing!

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## Pointwise Now on Twitter

Pointwise is now on Twitter. If you would like to follow us, go to [twitter.com/Pointwise](https://twitter.com/Pointwise).

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## Newsletter Mailings

If you are not receiving copies of our newsletter, *Focal Point* and want to make sure you are on the mailing list, please go to [www.pointwise.com/focalpt/sub.shtml](http://www.pointwise.com/focalpt/sub.shtml) to subscribe.

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