

Tecplot

Category: Licensed Application Software

Two Tecplot products are available on the HECC systems: Tecplot 360 and Tecplot Chorus.

Tecplot 360

Tecplot 360 is a CFD and Numerical Simulation Visualization Software used in post-processing simulation results. Common tasks associated with post-processing analysis of flow solver (for example, Fluent, STAR-CD, OpenFOAM) can include such tasks as:

- Calculating grid quantities (for example, aspect ratios, skewness, orthogonality, and stretch factors)
- Normalizing data; Deriving flow field functions like pressure coefficient or vorticity magnitude
- Verifying solution convergence
- Estimating the order of accuracy of solutions
- Interactively exploring data through cut planes (a slice through a region), iso-surfaces (3-D maps of concentrations), particle paths (dropping an object in the "fluid" and watching where it goes).

As of Dec. 2008, the Tecplot 360 license at NAS no longer has restrictions on the number of copies of Tecplot 360 that can be run concurrently.

Note: If you have set the stacksize with a command like `limit stacksize unlimited`, you will have to reduce the stacksize for Tecplot to run. For example:

```
%limit stacksize 2000000
```

Tecplot Chorus

Tecplot Chorus is a new simulation analytics framework that unites physics visualization with data management and analytics in a single environment.

Currently, one Tecplot Chorus license is available to use on Pleiades or NAS supported desktop systems.

For more information on these versions of Tecplot, please visit [Tecplot's documentation page](#).

See also: <http://en.wikipedia.org/wiki/Tecplot>

Article ID: 118

Last updated: 18 Dec, 2012

Computing at NAS -> Software Environment -> Licensed Application Software -> Tecplot
<http://www.nas.nasa.gov/hecc/support/kb/entry/118/?ajax=1>