tecplot. chorus

Design Space Visualization & Analysis

Chorus has a unique set of features that help scientists and engineers explore large datasets from multiple simulations, compare results and evaluate overall system performance. Chorus is included* with Tecplot 360.

Unified Data and Project Management
- Create and manage multiple sets of CFD solutions.
- Filter the project cases using interactive filtering.
- Evaluate CFD field data using Tecplot 360.
- Create and manage assets from plots to data extractions.

Advanced Analytics and Surrogate Modeling
- Create multi-dimensional surrogate models.
- Visualize multiple views of CFD results and flow field physics in one environment.
- Explore project results with linked table, XY and multi-dimensional scatter views.

Rapid Comparative Analysis of Field Data
- Evaluate system performance with n-by-n matrices or side-by-side comparisons.
- Compare pixel-by-pixel differences for images.
- Calculate quantitative differences between output variables on a selected case grid.

Batch Process Plot Creation Without Macros
- Create and apply templates for generating plots and extracting data and profiles from the full volume field data across a set of cases.
- Leverage Tecplot 360 macros for specialized data analysis and visualization.
- Extract outputs and scalars from field data (forces, moments, and maximums).
- Submit and manage multiple batch jobs.

Fast Physics Exploration and Visualization
- SZL technology speeds processing times by an order of magnitude.
- Pre-compute plots to rapidly analyze full sets of simulation cases.
- Quickly and easily view plot images and solution data from the flow field.
- Explore and filter an array of plot images.
- Explore the full 3D flow field with Tecplot 360.

*Chorus is available to customers on maintenance.
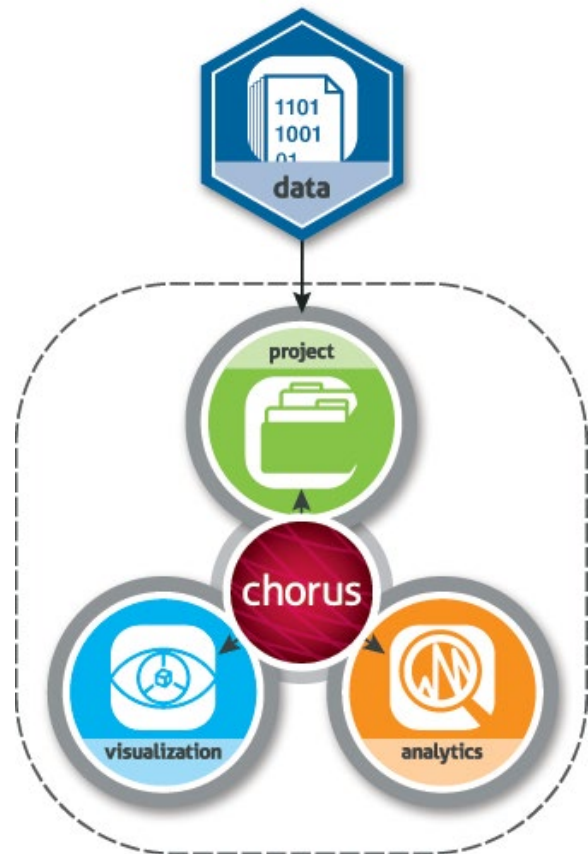
Learn About Chorus:

tecplot.com/products/ tecplot-chorus/

Tecplot Chorus

Many Applications

Included with Tecplot 360, Chorus helps engineers who run and generate many simulations or test datasets. The most common applications are:

1. Optimizing your designs.
2. Developing aero databases.
3. Predicting performance over the operating envelope.
4. Investigating an engineering problem.

In all these scenarios engineers need to manage their solution data, discover the trends and anomalies in output variables, and understand the underlying physics that cause these variations.

## Customer Quotes from Case Studies

"One of the best things … is that it lets me spend more time working the problem and less time troubleshooting and writing scripts. What once took me 4 or 5 hours, now takes me only 5 or 10 minutes. **—Swift Engineering**

The Tecplot Chorus Solution

Tecplot Chorus can easily analyze from one to a thousand simulation cases at the same time. It incorporates an easy-to-use simulation data management system for both test and computational data.

Tecplot Chorus integrates analysis and quality assurance processes with flexible features that are designed to manage, analyze, and visualize large collections of simulation cases, identify trends and anomalies in performance outputs, and link them to the underlying physics.

This can result in more rapid prototyping of design concepts for faster time to market.
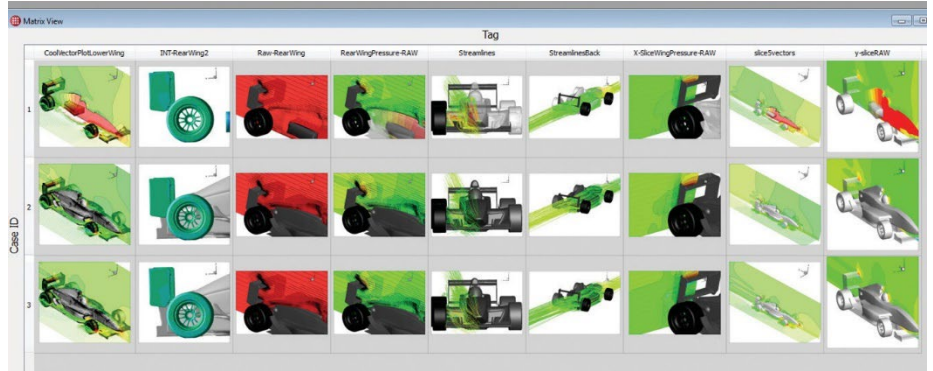
Matrix view helps organize, investigate, and compare collections of CFD runs and test data.

Contact Us
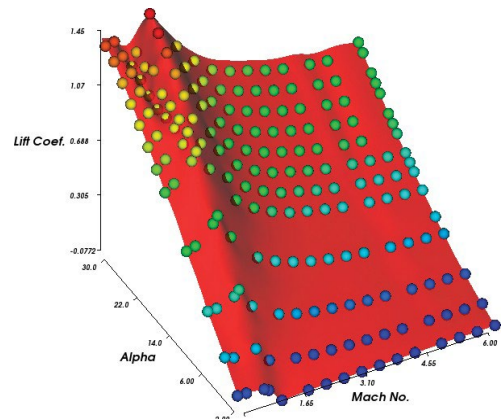
US and Canada
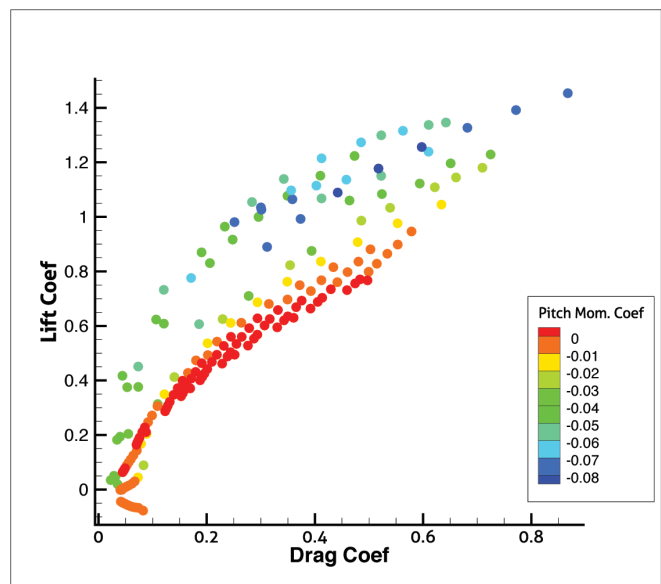Call: 1 (800) 763-7005
425-653-1200 or
email: sales@tecplot.com

International
See our distributors:
www.tecplot.com/distributors

Surrogate models help analyze problems with complex design spaces.

Scatter plots help analyze trends across your entire design space.