



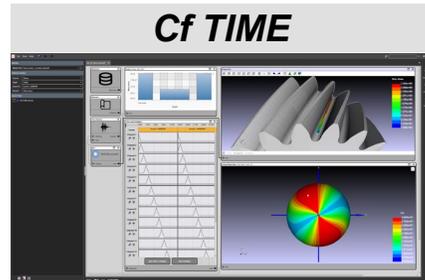
# CAEfatigue Software (Cf)

4 Software Packages - 4 Technologies: For Fatigue, Random Response, Loads Management and Test Design  
*Modern Alternative, Customer Driven, Technically Innovative, with Embedded Technical Transfer*



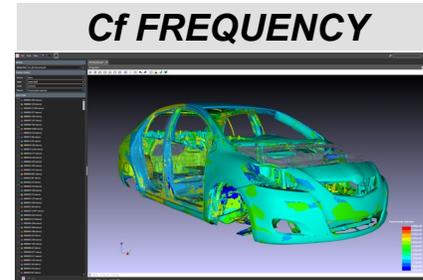
**Advanced Random and Fatigue Analysis for all Industries**

- Up to 100 Times Faster Than Competition
- Complex von Mises and Principal Stresses
- Non-linear (Neuber) Maximum Estimates
- Mixed Loads (e.g., Sine on Random)
- Can Handle Very Large Models
- Unique PSD Loads Database

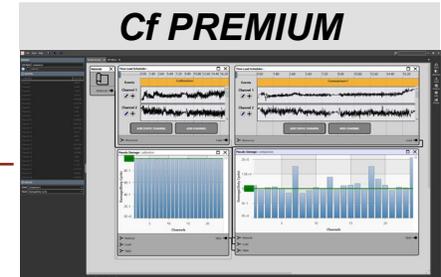


**State of the Art Time Domain Fatigue With New Process Flow**

- Up to 20 Times Faster Than Competition
- Modern User-Friendly Process Flow
- Comprehensive Materials Database
- Non-Linear Stress-Strain Data
- 3D Critical Plane Output
- Unique Loads Scheduler



**Smart Factory Concepts, Test Design, Loads Management and Test Correlation**



**Advanced Dynamics, Durability, & Loads Management**

- Test Design
- Loads Tuning
- Pseudo Damage
- Loads Enveloping
- Loads Simplification (Surrogate)
- Loads Cascading for Local Design

- Time or Frequency Domain on Full Vehicles
- Unique Loads Conditioning (FFT) Tools
- Collision Detection Check (Rattle)
- Correct Handling of Loading Correlation
- Frequency Domain Seam Welds
- Frequency Domain Spot Welds

## V2021 Release Highlights (Release Date December 17<sup>th</sup> 2020)

- **RANDOM** package added to Cf offering.
- **ADAMS** related support significantly expanded.
- **PSD Loads Database** now available when defining PSD loading.
- **Materials Database** extensively updated.
- **Pseudo Damage** on non-stress responses, without an FEA model.
- **3D Critical Plane** option.
- **Process Flow** has significant additions.
- Time2PSD FFT Plotter now provides **Envelope Data**.
- **Improved Fringe and PSD Plotters**.
- **Expanded (included with software) On-line Training**
- **Embedded Fatigue** released simultaneously.

## Available 1-Page Flyers

- **TIME** 1 page flyer.
- **RANDOM** 1 page flyer.
- **FREQUENCY** 1 page flyer.
- **PREMIUM** 1 page flyer.
- **CAEfatigue for Automotive** 1 page flyer.
- **CAEfatigue for Aerospace** 1 page flyer.
- **CAEfatigue for General** 1 page flyer.
- **CAEfatigue for Test** 1 page flyer.