TAITherm

THERMAL SIMULATION SOFTWARE FOR
FORWARD-THINKING ENGINEERS

**ADVANCED
THERMAL SOLVER**

**MULTI-MODE
HEAT TRANSFER**

**INTUITIVE
USER INTERFACE**

3D Thermal Simulation Software

Exchange complexity for clarity. TAITherm is a 3D thermal simulation software that predicts temperatures under transient or steady-state conditions. TAITherm is as easy to use as it is powerful. It solves for solar and thermal radiation, convection, and conduction including ever-changing environments. TAITherm removes the burden of complicated simulations and ensures that your design will function optimally in real-world scenarios.

Software for Forward-Thinking Engineers

TAITherm is used by thousands of engineers and teams around the globe. Our customers use TAITherm for an array of applications including the latest advancements in automotive, electronics, wearables, military technology, architecture, and more. Our customers are pushing the boundaries of new technology by increasing usability, safety, and effectiveness in their industries through thermal simulations.

Meet Your Deadlines

TAITherm is fast—solving complex models in hours instead of days without sacrificing accuracy. Our users have extensive control over the trade-off between computation time and fidelity by modifying the mesh level of detail, time step size, complexity of heat sources, and other inputs.

THERMO
ANALYTICS

TOP FEATURES

Advanced Thermal Solver

TAITherm uses a multi-grid method for solving the heat transfer equations. This method allows the solver to efficiently converge in a small number of iterations for finely meshed models. The solver runs in parallel using local or distributed memory, easily making use of multi-core workstations or HPC resources.

Multi-mode Heat Transfer

TAITherm takes all modes of heat transfer into account, including multi-bounce radiation, multi-layer shell or solid conduction, and multiple convection modeling methods. Gain a full and accurate picture of the thermal interactions your product will undergo.

Intuitive User Interface

TAITherm's interface is simple to use and easy to learn. After our two-day training, you will be skilled at using the software on your own.

Add More Capability with Thermal Software Extensions

Advance your thermal management capabilities. Our suite of extensions offers detailed simulations to analyze more complex areas of thermal analysis.

BATTERY
EXTENSION

HUMAN
EXTENSION

EXHAUST
EXTENSION

DRIVE CYCLE
EXTENSION

GET STARTED

Training

The most efficient way to get started is to attend our two-day training. After the training, you will be proficient at using the software on your own. Additional training is available to cover advanced topics such as infrared simulations, human comfort analysis, or advanced coupling processes.

Tutorials

Start on your own. Our step-by-step tutorials cover basic and advanced techniques. Once you have a software license, these tutorials are available for you to expedite your knowledge.

Support

We are here to answer your questions at every step. We support our customers before and after the sale, our commitment to you never changes.

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