

NEi Nastran

TMG-Thermal (Transient Steady-State Analysis)

Overview

TMG-Thermal by Maya is a comprehensive heat transfer simulation package with capabilities needed for most engineering applications that require transient and steady-state thermal analysis. The software accurately models conduction, convection, radiation and phase change. TMG-Thermal provides a range of thermal boundary conditions and solver control, together with a unique thermal assembly modeling tool called Thermal Couplings which allows the engineer to create paths for heat flow between parts in complex assemblies.

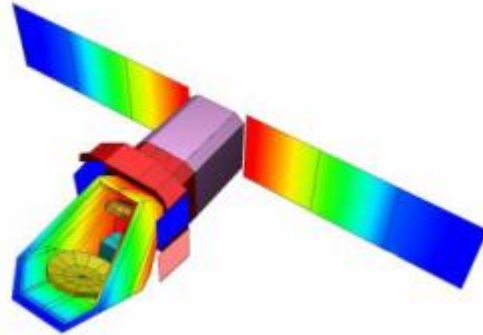
Solution Types:

- Transient
- Steady-State
- Linear
- Nonlinear

Capabilities:

Solution Features:

- Thermal boundary conditions including temperatures, heat loads, fluxes, initial conditions and thermostats
- Thermal couplings to create thermal assemblies of disconnected FE models including couplings between surfaces, edges and points
- Conduction including isotropic and orthotropic properties, radial heat flow, phase change and time-, temperature-, and direction-dependent properties
- Radiation including the calculation of view factors with shadowing effects for diffuse surfaces, variable surface properties, axisymmetric radiation modeling, and multiple radiation enclosures



- Convection by specifying boundary conditions using tabular data or formulae
- Additional solver features including axisymmetric modeling, table dependent parameters, non-geometric modeling, and solution monitor

Unparalleled support:

- Leader in outstanding customer support
- Onsite and offsite training courses taught by experienced professional engineers
- Phone and email support staffed by a team of FEA specialists
- Optional consulting services available

NEi Software, Inc. is aggressively focused on commitment to the customer. Detailed documentation, customized on-site training, and comprehensive technical support ensures that you will see immediate return on your investment.

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