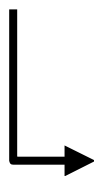


# Thermica V4

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- *Short description*
- *Demo*

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15th European Thermal Workshop  
ESTEC, Noordwijk, October 9-10 2001

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## Context and objectives

- Increase in 2001 of the engineering software distribution (Thermica and others) inside Astrium and outside the company
- User interface getting old. Graphics not taking advantage of the potential of PC computers
- Improvements optimizing ROI (avoid cosmetics !)

Team reinforcement

⇒ Interactivity as main driver for the new interface

New functions

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## Strategy for the new interface

- PC look and feel
- Portable code for Unix and PC (Windows and Linux)
- Interactivity for model building,  
for mission modelling,  
for conduction modelling
- User-friendly menu-driven functions to reduce the learning time and avoid programming
- Up compatibility with previous version to facilitate transition for the current users ;  
also in the way to use the software

## Development status

- Developed :
  - Interactive model builder
  - Interactive conduction module
  - Orbit and Kinematics calculation modules with enhanced features
  - Prototype interface
- Under development :
  - New shapes
  - Sub-models
  - Kinematics user interface
  - Albedo and IR models
- Schedule :
  - Beta version in March 2002

# Demo

- First part :
  - Interactive model builder
  - Interactive conduction module

shows functions in a temporary user interface

- Second part :
  - Prototype interface