# Appendix G

## THERMICA On-going research and developments

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### Abstract

SYSTEMA: The THERMICA framework Since the version available last year (4.2.3), the current release offers new functionalities:

- New framework based on QT technology
- Boolean Shapes
- Multi-kinematics and sequences management
- Video recording
- + Presentation of some on-going developments for the next release.

### THERMICA 4.3.1

- Extended for the new SYSTEMA functionalities
- Integrate maps for planet properties and/or night/day temperatures definition for the IR flux
- Integrate the new conductive method: the RCN

The Reduced Conductive Network is a new method compatible with the radiative mesh and can also be used for better convergence finite elements methods as well. The main idea of the RCN method is to determine a sub-space of linearly equivalent results and to find a particular solution from this sub-space. This solution provides some particular properties which make it compatible with radiative aspects and is given by the limit of a specific function.

+ Presentation of some on-going developments for the next release.











Slov

Normal

Fast

Play/Pause

Stop







22nd European Workshop on Thermal and ECLS Software







All the space you need







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