4.9.4

Applicable User Manual: v4.9.4

- Fixed a ray-tracing bug in very specific cases where rays bounced off cutters instead of passing through them.
- Introduced compatibility with Thermica meshing files.

4.9.3

Applicable User Manual: v4.9.3

Solar Pressure – Corrected issues

- The calculation of force and torque was wrong when the ray bounce is filtered because the remaining energy of the ray is under the threshold. This issue is now fixed and the remaining energy is supposed to be absorbed by the shape.

4.9.2P2

Applicable User Manual: v4.9.2P1

Modifications :

- Fixed a ray-tracing bug in very specific cases where rays bounced off cutters instead of passing through them.
- The calculation of force and torque was wrong when the ray bounce is filtered because the remaining energy of the ray is under the threshold. This issue is now fixed and the remaining energy is supposed to be absorbed by the shape.
- Introduced compatibility with Thermica meshing files.

4.9.2P1

Applicable User Manual: v4.9.2P1

- New Airdrag module
- Removal of ‘Flux filter’ parameter from Solar Pressure module

4.9.1

Applicable User Manual: v4.9.0

No modifications.

4.9.0

Applicable User Manual: v4.9.0

- First release of the application Perturbations. The purpose of this module is to model the impact of Solar Pressure on a satellite, and to measure the resulting forces and torques.