

# Documentation for the pyroll-thermal-2d Plugin

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## 1 Model Description

$$a \tag{1}$$

## 2 Plugin Usage

### Symbols

Symbol	Description
$t$	Time
$r$	Radius coordinate in polar systems
$\dot{m}$	Mass flow in x-direction
$\varrho$	Density
$c_p$	Thermal Capacity
$x$	X Coordinate
$\Delta x$	Discretization width in x
$\Delta t$	Discretization width in time
$T$	Absolute temperature
$T_S$	Absolute surface temperature
$T_\infty$	Environemnt temperature

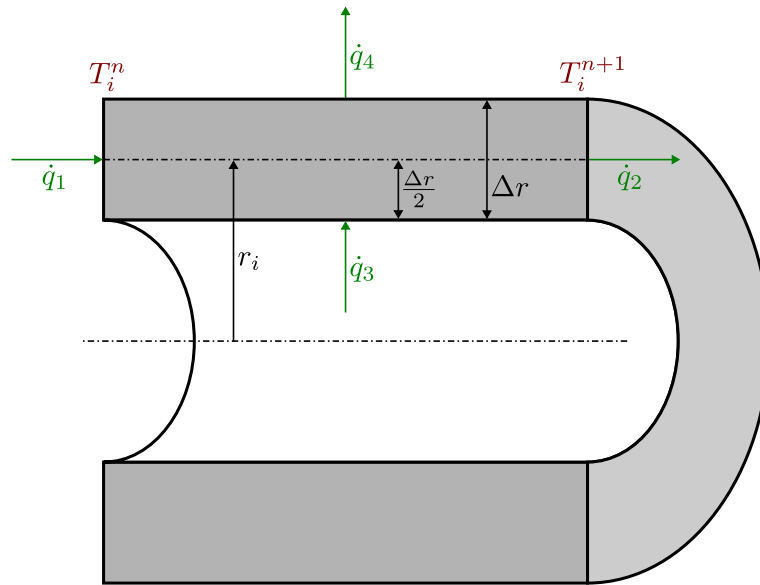


Figure 1: Heat Flows on a Disk Element Ring