Example documentation

Parameter list

Node list

Declaration / Definition

Declaration / Definition / Modification

Modification

box

box.geometry	uint16
Default value:	3
Options:	1, 2, 3
Description:	Type of grid geometry

box.size

box.size.@2.vy	float64
Default value:	23.000
Default unit:	km/s

box.size.x	float
Default unit:	cm
Condition:	{?} > 0
Description:	Box size in X direction
box.size.x	mod
Default value:	10

Default unit:	nm

box.size.@1.y	float
Default unit:	cm
Options:	3.0 cm, 4.0 cm
Description:	Box size in Y direction
box.size.@2.y	float64
Default value:	34.000
Default unit:	au
box.size.y	mod
Default value:	3e7
Default unit:	nm

box.size.@4.z	constant float64
Default value:	23.000
Default unit:	cm
Options:	10.0 m, 20.0 cm, 23.0 cm, 26.0 cm
Description:	Box size in Z direction

modules

modules.heating	bool
Tags:	preprocessor
Description:	Switch on heating module
modules.heating	mod
Default value:	false

modules.hydrodynamics	bool
Default value:	true
Tags:	preprocessor
Description:	Switch on hydrodynamics module

modules.radiation	bool
Tags:	preprocessor
Description:	Switch on radiation module
modules.radiation	mod
Default value:	true

runtime

runtime.t_max	float

Default unit:	s
Condition:	{?} > 0
Description:	Maximum simulation time

runtime.t_max	mod
Default value:	10
Default unit:	ns

runtime.timestep	float
Default unit:	s
Condition:	{?} < {?runtime.t_max} && {?} > 0
Description:	Simulation time step

runtime.timestep	mod
Default value:	0.01
Default unit:	ns

simulation

simulation.name	str
Default value:	simulation
Format:	[a-zA-Z_-]+

simulation.precision	str
Default value:	double
Options:	double, float