





# Units Converter

Units Converter - Characteristic Scales Editor

Name	Value	Unit	Define	Name	Value	Expression	Input dependen	Output depe
gridLengthZ	10.0	'm'	'tildeLz, tilde...	tildeX	1.9011011753163607	tildeX = gridL...	['gridLengthX...	['lambdaD']
gridLengthY	10.0	'm'	'tildeLy, tilde...	NbCells	1000.0	NbCells = gridS...	['gridSizeX', '...	[']
gridLengthX	10.0	'm'	'tildeLx, tilde...	Jth	1.8916452355894783E-6	Jth = density*s...	['density']	['Tilde']
gridSizeZ	10	'	'tildeZ'	lambdaD	0.5260109314453455	lambdaD = ma...	['Temperatur...	['Tilde']
gridSizeY	10	'	'tildeY'	Tilde	8.0E-20	Tilde = Temp...	['Temperature']	[']
gridSizeX	10	'	'tildeX'	omega	563397.4445621677	omega = math...	['density']	[']
density	10000000...	'cm^-3'	'lambdaD'	Coeffl	9.014359112994683E-14	Coeffl = self.Q...	[']	['omega']
Bfield	0.0	'T'	'omegaC, til...	tildeLz	19.011011753163608	tildeLz = gridL...	['gridLengthZ']	['lambdaD']
Temperature	0.5	'eV'	'Tilde, lamb...	tildeZ	1.9011011753163607	tildeZ = gridL...	['gridLengthZ']	['lambdaD']
				tildeY	19.011011753163608	tildeY = gridLe...	['gridLengthY']	['lambdaD']
				omegaC	0.0	omegaC = (self...	['Bfield']	[']
				tildeY	1.9011011753163607	tildeY = gridL...	['gridLengthY']	['lambdaD']
				tildeB	0.0	tildeB = omega...	['Bfield']	['omegaC, ...
				tildeLx	19.011011753163608	tildeLx = gridL...	['gridLengthX']	['lambdaD']
				ScalingRatio	1.9011011753163607	ScalingRatio = ...	[']	['lambdaD']

Buttons: New Input Param, New Output Param, Remove Param, Compute, Save to DataBus

- Useful to:
  - Compute common characteristic scales, like Debye length
  - Convert units (e.g. PicUp3D's units)
  - Quit computation (like a simplified spreadsheet)

5

---

---

---

---

---

---

---

---

---

---

# Data Bus Cleaner

Data Bus -> clean Data Bus menu

**BE CAREFUL!** A wrong use can corrupt your model and results!

- All data are stored in memory through the central Common Data Bus.
- The Data Bus Cleaner can be used to reset individually or globally each data of the framework.
- Useful to reset DataFields and MeshFields.

6

---

---

---

---

---

---

---

---

---

---



