

Package ‘gunit’

May 3, 2019

Type Package

Title Converts Conductance Units

Version 1.0.0

Description For plant physiologists, converts conductance (e.g. stomatal conductance) to different units: m/s, mol/m²/s, and umol/m²/s/Pa.

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Encoding UTF-8

LazyData true

Suggests testthat

RoxygenNote 6.1.1

Imports magrittr (>= 1.5.0), stringr (>= 1.4.0), units (>= 0.6.0),
tibble (>= 2.1.1)

URL <https://github.com/cdmuir/gunit>

BugReports <https://github.com/cdmuir/gunit/issues>

NeedsCompilation no

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Repository CRAN

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convert_conductance *Convert conductance units*

Description

Convert conductance units

Usage

```
convert_conductance(.g, P = set_units(101.3246, kPa),  
  R = set_units(8.31446, J/K/mol), Temp = set_units(298.15, K))
```

Arguments

.g	Conductance in class units. Units must be convertible to one of "m/s", "umol/m ² /s/Pa", or "mol/m ² /s"
P	A pressure value of class units that is convertible to kPa. Default is 101.3246 kPa, Earth's atmospheric pressure at sea level.
R	Ideal gas constant of class units that is convertible to J/K/mol. Default is 8.31446 J/K/mol.
Temp	A temperature value of class units that is convertible to K. Default is 25 degreeC (298.15 K).

Value

@return a [tibble](#) in units "m/s", "umol/m²/s/Pa", and "mol/m²/s".

Examples

```
# library(gunit)  
library(units)  
  
g_sc <- set_units(10, "m/s")  
convert_conductance(g_sc)  
  
g_sc <- set_units(4, "umol/m^2/s/Pa")  
convert_conductance(g_sc)  
  
g_sc <- set_units(0.4, "mol/m^2/s")  
convert_conductance(g_sc)
```

gunit

gunit package

Description

Convert Conductance Units

Details

See the README on [GitHub](#)

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