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.
License MIT + file LICENSE
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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R topics documented:

  convert_conductance ........................................... 2
gunit ................................................................. 3

Index 4
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 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/kg. 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/m^2/s/Pa", and "mol/m^2/s".

Examples

```r
# 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)
```
**Description**

Convert Conductance Units

**Details**

See the README on GitHub
Index

convert_conductance, 2

gunit, 3
gunit-package (gunit), 3

tibble, 2