

# Package ‘ggtangle’

September 18, 2024

**Title** Draw Network with Data

**Version** 0.0.2

**Description** Extends the 'ggplot2' plotting system to support network visualization. Inspired by 'ggtree', 'ggtangle' is designed to work with network associated data.

**Imports** ggfun (>= 0.1.6), ggplot2, igraph, rlang, yulab.utils (>= 0.1.6)

**Suggests** aplot, ggtree, knitr, prettydoc, rmarkdown, scatterpie (>= 0.2.4)

**VignetteBuilder** knitr

**License** Artistic-2.0

**Encoding** UTF-8

**RoxygenNote** 7.3.2

**NeedsCompilation** no

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**Repository** CRAN

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geom_edge	<i>layer to draw edges of a network</i>
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### Description

layer to draw edges of a network

### Usage

```
geom_edge(mapping = NULL, data = NULL, geom = geom_segment, ...)
```

### Arguments

mapping	aesthetic mapping, default is NULL
data	data to plot, default is NULL
geom	geometric layer to draw lines
...	additional parameter passed to 'geom'

### Value

line segments layer

### Examples

```
flow_info <- data.frame(from = LETTERS[c(1,2,3,3,4,5,6)],
                        to = LETTERS[c(5,5,5,6,7,6,7)])

dd <- data.frame(
  label = LETTERS[1:7],
  v1 = abs(rnorm(7)),
  v2 = abs(rnorm(7)),
  v3 = abs(rnorm(7))
)

g = igraph::graph_from_data_frame(flow_info)

p <- ggplot(g) + geom_edge()
library(ggplot2)
library(scatterpie)

p %+% dd +
  geom_scatterpie(cols = c("v1", "v2", "v3")) +
  geom_text(aes(label=label), nudge_y = .2) +
  coord_fixed()
```

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