

Package ‘ggrefine’

July 7, 2026

Title Publication-Quality 'ggplot2' Themes

Version 0.5.0

Description Complete themes for publication-quality 'ggplot2' visualisation.
Also provides functions to modify these based on the positional axis scales
and orientation of a particular plot.

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URL <https://github.com/davidhodge931/ggrefine>,
<https://davidhodge931.github.io/ggrefine/>

BugReports <https://github.com/davidhodge931/ggrefine/issues>

Depends R (>= 4.1.0)

Imports blends, flexoki, ggplot2 (>= 4.0.0), grid, jumble, rlang,
scales, viridis

Suggests knitr, patchwork, rmarkdown, spelling

Encoding UTF-8

Language en-GB

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Author David Hodge [aut, cre, cph] (ORCID:
<<https://orcid.org/0000-0002-3868-7501>>)

Maintainer David Hodge <davidhodge931@gmail.com>

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classic_drift	<i>Classic drift refine</i>
---------------	-----------------------------

Description

Removes axis ticks on discrete axes. Removes panel gridlines on the orientation axis only when at least one axis is discrete.

Usage

```
classic_drift(..., discrete = "none", orientation = NULL)
```

Arguments

- ... Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
- discrete Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
- orientation Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

classic_drop	<i>Classic drop refine</i>
--------------	----------------------------

Description

Removes axis ticks on discrete axes and removes all panel gridlines.

Usage

```
classic_drop(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

classic_flow	<i>Classic flow refine</i>
--------------	----------------------------

Description

Removes axis ticks on discrete axes and removes panel gridlines on the orientation axis.

Usage

```
classic_flow(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

classic_keep	<i>Classic keep refine</i>
--------------	----------------------------

Description

Removes axis ticks on discrete axes and leaves panel gridlines unchanged.

Usage

```
classic_keep(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

minimal_drift	<i>Minimal drift refine</i>
---------------	-----------------------------

Description

Removes all axis lines, ticks, and minor ticks. Removes panel gridlines on the orientation axis only when at least one axis is discrete.

Usage

```
minimal_drift(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

minimal_drop	<i>Minimal drop refine</i>
--------------	----------------------------

Description

Removes all axis lines, ticks, and minor ticks. Removes all panel gridlines.

Usage

```
minimal_drop(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

minimal_flow	<i>Minimal flow refine</i>
--------------	----------------------------

Description

Removes all axis lines, ticks, and minor ticks. Removes panel gridlines on the orientation axis.

Usage

```
minimal_flow(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

minimal_keep	<i>Minimal keep refine</i>
--------------	----------------------------

Description

Removes all axis lines, ticks, and minor ticks. Panel gridlines are left unchanged.

Usage

```
minimal_keep(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

modern_drift	<i>Modern drift refine</i>
--------------	----------------------------

Description

Removes axis lines, ticks, and minor ticks from the non-orientation axis. Axis ticks on discrete axes are removed. Removes panel gridlines on the orientation axis only when at least one axis is discrete.

Usage

```
modern_drift(..., discrete = "none", orientation = NULL)
```

Arguments

- ... Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
- discrete Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
- orientation Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

modern_drop	<i>Modern drop refine</i>
-------------	---------------------------

Description

Removes axis lines, ticks, and minor ticks from the non-orientation axis. Axis ticks on discrete axes are removed. Removes all panel gridlines.

Usage

```
modern_drop(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

modern_flow	<i>Modern flow refine</i>
-------------	---------------------------

Description

Removes axis lines, ticks, and minor ticks from the non-orientation axis. Axis ticks on discrete axes are removed. Removes panel gridlines on the orientation axis.

Usage

modern_flow(..., discrete = "none", orientation = NULL)

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

modern_keep	<i>Modern keep refine</i>
-------------	---------------------------

Description

Removes axis lines, ticks, and minor ticks from the non-orientation axis. Axis ticks on discrete axes are removed. Panel gridlines are left unchanged.

Usage

```
modern_keep(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

theme_dark	<i>theme_dark</i>
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Description

A complete theme for a dark plot and panel background. The plot background defaults to "black", and the panel grid colour defaults to plot_background_fill.

Usage

```
theme_dark(  
  ...,  
  text_size = 10,  
  text_family = "",  
  text_colour = flexoki::flexoki$base["base200"],  
  title_size = NULL,  
  title_family = NULL,  
  title_colour = NULL,  
  subtitle_size = NULL,
```

```

subtitle_family = NULL,
subtitle_colour = NULL,
caption_size = NULL,
caption_family = NULL,
caption_colour = NULL,
caption_hjust = 0,
legend_place = "right",
legend_axis_line_colour = NULL,
legend_axis_line_linewidth = NULL,
legend_background_fill = NULL,
legend_key_fill = NULL,
legend_ticks_colour = NULL,
legend_ticks_linewidth = NULL,
legend_ticks_length = grid::unit(c(2.75, 0), "pt"),
axis_line_colour = NULL,
axis_line_linewidth = 0.2,
axis_ticks_colour = NULL,
axis_ticks_linewidth = NULL,
axis_ticks_length = grid::unit(3.66, "pt"),
panel_background_fill = flexoki::flexoki$base["base950"],
panel_grid_colour = NULL,
panel_grid_linetype = 1,
panel_grid_linewidth = 1,
panel_grid_minor_linetype = 1,
panel_grid_minor_linewidth = 0.5,
plot_background_fill = "black",
panel_widths = NULL,
panel_heights = NULL
)

```

Arguments

...	Require named arguments (and support trailing commas).
text_size	The base size of the text theme element. Defaults to 10.
text_family	The base family of the text theme element. Defaults to "".
text_colour	The base colour of the text theme element.
title_size	The size of the plot.title theme element. Defaults to text_size.
title_family	The family of the plot.title theme element. Defaults to text_family.
title_colour	The colour of the plot.title theme element. Defaults to text_colour.
subtitle_size	The size of the plot.subtitle theme element. Defaults to text_size.
subtitle_family	The family of the plot.subtitle theme element. Defaults to text_family.
subtitle_colour	The colour of the plot.subtitle theme element. Defaults to text_colour.
caption_size	The size of the plot.caption theme element. Defaults to text_size.
caption_family	The family of the plot.caption theme element. Defaults to text_family.

caption_colour	The colour of the plot.caption theme element. Defaults to text_colour.
caption_hjust	The horizontal justification of the plot.caption theme element. Defaults to 0.
legend_place	The place of the legend. Either "right", "top" or "bottom".
legend_axis_line_colour	The colour of the legend.axis.line theme element.
legend_axis_line_linewidth	The linewidth of the legend.axis.line theme element.
legend_background_fill	The fill (and colour) of the legend.background theme element.
legend_key_fill	The fill (and colour) of the legend.key theme element.
legend_ticks_colour	The colour of the legend.ticks theme element.
legend_ticks_linewidth	The linewidth of the legend.ticks theme element.
legend_ticks_length	The length of the legend.ticks.length theme element.
axis_line_colour	The colour of the axis.line theme element. Defaults to text_colour.
axis_line_linewidth	The linewidth of the axis.line theme element.
axis_ticks_colour	The colour of the axis.ticks theme element.
axis_ticks_linewidth	The linewidth of the axis.ticks theme element.
axis_ticks_length	The length of the axis.ticks.length theme element.
panel_background_fill	The fill (and colour) of the panel.background theme element.
panel_grid_colour	The colour of the panel.grid theme element.
panel_grid_linetype	The linetype of the panel.grid.major theme element.
panel_grid_linewidth	The linewidth of the panel.grid.major theme element.
panel_grid_minor_linetype	The linetype of the panel.grid.minor theme element.
panel_grid_minor_linewidth	The linewidth of the panel.grid.minor theme element.
plot_background_fill	The fill (and colour) of the plot.background theme element.
panel_widths	The panel.widths theme element. A unit or unit vector setting the width of individual panels, or a single unit for the total panel area width. Overrides aspect ratio set by the theme, coord, or facets. Defaults to NULL.
panel_heights	The panel.heights theme element. A unit or unit vector setting the height of individual panels, or a single unit for the total panel area height. Overrides aspect ratio set by the theme, coord, or facets. Defaults to NULL.

Details

Dark theme

Value

A ggplot theme.

 theme_ggplot2

theme_ggplot2

Description

A complete theme for a coloured panel background on a white plot background. Defaults to using a panel grid colour that mixes 1/4 panel background fill with 3/4 white.

Usage

```
theme_ggplot2(
  ...,
  text_size = 10,
  text_family = "",
  text_colour = flexoki::flexoki$base["black"],
  title_size = NULL,
  title_family = NULL,
  title_colour = NULL,
  subtitle_size = NULL,
  subtitle_family = NULL,
  subtitle_colour = NULL,
  caption_size = NULL,
  caption_family = NULL,
  caption_colour = NULL,
  caption_hjust = 0,
  legend_place = "right",
  legend_axis_line_colour = NULL,
  legend_axis_line_linewidth = NULL,
  legend_background_fill = NULL,
  legend_key_fill = NULL,
  legend_ticks_colour = NULL,
  legend_ticks_linewidth = NULL,
  legend_ticks_length = grid::unit(c(2.75, 0), "pt"),
  axis_line_colour = NULL,
  axis_line_linewidth = 0.2,
  axis_ticks_colour = NULL,
  axis_ticks_linewidth = NULL,
  axis_ticks_length = grid::unit(3.66, "pt"),
  panel_background_fill = scales::col_mix(flexoki::flexoki$base["base100"], "white", 0.5),
  panel_grid_colour = NULL,
```

```

    panel_grid_linetype = 1,
    panel_grid_linewidth = 1,
    panel_grid_minor_linetype = 1,
    panel_grid_minor_linewidth = 0.5,
    plot_background_fill = "white",
    panel_widths = NULL,
    panel_heights = NULL
  )

```

Arguments

<code>...</code>	Require named arguments (and support trailing commas).
<code>text_size</code>	The base size of the text theme element. Defaults to 10.
<code>text_family</code>	The base family of the text theme element. Defaults to "".
<code>text_colour</code>	The base colour of the text theme element.
<code>title_size</code>	The size of the <code>plot.title</code> theme element. Defaults to <code>text_size</code> .
<code>title_family</code>	The family of the <code>plot.title</code> theme element. Defaults to <code>text_family</code> .
<code>title_colour</code>	The colour of the <code>plot.title</code> theme element. Defaults to <code>text_colour</code> .
<code>subtitle_size</code>	The size of the <code>plot.subtitle</code> theme element. Defaults to <code>text_size</code> .
<code>subtitle_family</code>	The family of the <code>plot.subtitle</code> theme element. Defaults to <code>text_family</code> .
<code>subtitle_colour</code>	The colour of the <code>plot.subtitle</code> theme element. Defaults to <code>text_colour</code> .
<code>caption_size</code>	The size of the <code>plot.caption</code> theme element. Defaults to <code>text_size</code> .
<code>caption_family</code>	The family of the <code>plot.caption</code> theme element. Defaults to <code>text_family</code> .
<code>caption_colour</code>	The colour of the <code>plot.caption</code> theme element. Defaults to <code>text_colour</code> .
<code>caption_hjust</code>	The horizontal justification of the <code>plot.caption</code> theme element. Defaults to 0.
<code>legend_place</code>	The place of the legend. Either "right", "top" or "bottom".
<code>legend_axis_line_colour</code>	The colour of the <code>legend.axis.line</code> theme element.
<code>legend_axis_line_linewidth</code>	The linewidth of the <code>legend.axis.line</code> theme element.
<code>legend_background_fill</code>	The fill (and colour) of the <code>legend.background</code> theme element.
<code>legend_key_fill</code>	The fill (and colour) of the <code>legend.key</code> theme element.
<code>legend_ticks_colour</code>	The colour of the <code>legend.ticks</code> theme element.
<code>legend_ticks_linewidth</code>	The linewidth of the <code>legend.ticks</code> theme element.
<code>legend_ticks_length</code>	The length of the <code>legend.ticks.length</code> theme element.

<code>axis_line_colour</code>	The colour of the <code>axis.line</code> theme element. Defaults to <code>text_colour</code> .
<code>axis_line_linewidth</code>	The linewidth of the <code>axis.line</code> theme element.
<code>axis_ticks_colour</code>	The colour of the <code>axis.ticks</code> theme element.
<code>axis_ticks_linewidth</code>	The linewidth of the <code>axis.ticks</code> theme element.
<code>axis_ticks_length</code>	The length of the <code>axis.ticks.length</code> theme element.
<code>panel_background_fill</code>	The fill (and colour) of the <code>panel.background</code> theme element.
<code>panel_grid_colour</code>	The colour of the <code>panel.grid</code> theme element.
<code>panel_grid_linetype</code>	The linetype of the <code>panel.grid.major</code> theme element.
<code>panel_grid_linewidth</code>	The linewidth of the <code>panel.grid.major</code> theme element.
<code>panel_grid_minor_linetype</code>	The linetype of the <code>panel.grid.minor</code> theme element.
<code>panel_grid_minor_linewidth</code>	The linewidth of the <code>panel.grid.minor</code> theme element.
<code>plot_background_fill</code>	The fill (and colour) of the <code>plot.background</code> theme element.
<code>panel_widths</code>	The <code>panel.widths</code> theme element. A unit or unit vector setting the width of individual panels, or a single unit for the total panel area width. Overrides aspect ratio set by the theme, coord, or facets. Defaults to NULL.
<code>panel_heights</code>	The <code>panel.heights</code> theme element. A unit or unit vector setting the height of individual panels, or a single unit for the total panel area height. Overrides aspect ratio set by the theme, coord, or facets. Defaults to NULL.

Details

Ggplot2 theme

Value

A ggplot theme.

theme_grey

theme_grey

Description

A complete theme for a coloured panel background on a white plot background. Defaults to using a panel grid colour that multiply blends the panel background fill with itself.

Usage

```
theme_grey(
  ...,
  text_size = 10,
  text_family = "",
  text_colour = flexoki::flexoki$base["black"],
  title_size = NULL,
  title_family = NULL,
  title_colour = NULL,
  subtitle_size = NULL,
  subtitle_family = NULL,
  subtitle_colour = NULL,
  caption_size = NULL,
  caption_family = NULL,
  caption_colour = NULL,
  caption_hjust = 0,
  legend_place = "right",
  legend_axis_line_colour = NULL,
  legend_axis_line_linewidth = NULL,
  legend_background_fill = NULL,
  legend_key_fill = NULL,
  legend_ticks_colour = NULL,
  legend_ticks_linewidth = NULL,
  legend_ticks_length = grid::unit(c(2.75, 0), "pt"),
  axis_line_colour = NULL,
  axis_line_linewidth = 0.2,
  axis_ticks_colour = NULL,
  axis_ticks_linewidth = NULL,
  axis_ticks_length = grid::unit(3.66, "pt"),
  panel_background_fill = scales::col_mix(flexoki::flexoki$base["base100"], "white", 0.5),
  panel_grid_colour = NULL,
  panel_grid_linetype = 1,
  panel_grid_linewidth = 1,
  panel_grid_minor_linetype = 1,
  panel_grid_minor_linewidth = 0.5,
  plot_background_fill = "white",
  panel_widths = NULL,
  panel_heights = NULL
)
```

)

Arguments

...	Require named arguments (and support trailing commas).
text_size	The base size of the text theme element. Defaults to 10.
text_family	The base family of the text theme element. Defaults to "".
text_colour	The base colour of the text theme element.
title_size	The size of the plot.title theme element. Defaults to text_size.
title_family	The family of the plot.title theme element. Defaults to text_family.
title_colour	The colour of the plot.title theme element. Defaults to text_colour.
subtitle_size	The size of the plot.subtitle theme element. Defaults to text_size.
subtitle_family	The family of the plot.subtitle theme element. Defaults to text_family.
subtitle_colour	The colour of the plot.subtitle theme element. Defaults to text_colour.
caption_size	The size of the plot.caption theme element. Defaults to text_size.
caption_family	The family of the plot.caption theme element. Defaults to text_family.
caption_colour	The colour of the plot.caption theme element. Defaults to text_colour.
caption_hjust	The horizontal justification of the plot.caption theme element. Defaults to 0.
legend_place	The place of the legend. Either "right", "top" or "bottom".
legend_axis_line_colour	The colour of the legend.axis.line theme element.
legend_axis_line_linewidth	The linewidth of the legend.axis.line theme element.
legend_background_fill	The fill (and colour) of the legend.background theme element.
legend_key_fill	The fill (and colour) of the legend.key theme element.
legend_ticks_colour	The colour of the legend.ticks theme element.
legend_ticks_linewidth	The linewidth of the legend.ticks theme element.
legend_ticks_length	The length of the legend.ticks.length theme element.
axis_line_colour	The colour of the axis.line theme element. Defaults to text_colour.
axis_line_linewidth	The linewidth of the axis.line theme element.
axis_ticks_colour	The colour of the axis.ticks theme element.
axis_ticks_linewidth	The linewidth of the axis.ticks theme element.

axis_ticks_length	The length of the axis.ticks.length theme element.
panel_background_fill	The fill (and colour) of the panel.background theme element.
panel_grid_colour	The colour of the panel.grid theme element.
panel_grid_linetype	The linetype of the panel.grid.major theme element.
panel_grid_linewidth	The linewidth of the panel.grid.major theme element.
panel_grid_minor_linetype	The linetype of the panel.grid.minor theme element.
panel_grid_minor_linewidth	The linewidth of the panel.grid.minor theme element.
plot_background_fill	The fill (and colour) of the plot.background theme element.
panel_widths	The panel.widths theme element. A unit or unit vector setting the width of individual panels, or a single unit for the total panel area width. Overrides aspect ratio set by the theme, coord, or facets. Defaults to NULL.
panel_heights	The panel.heights theme element. A unit or unit vector setting the height of individual panels, or a single unit for the total panel area height. Overrides aspect ratio set by the theme, coord, or facets. Defaults to NULL.

Details

Grey theme

Value

A ggplot theme.

 theme_light

theme_light

Description

A complete theme for a white plot and panel background.

Usage

```
theme_light(
  ...,
  text_size = 10,
  text_family = "",
  text_colour = flexoki::flexoki$base["black"],
```

```

title_size = NULL,
title_family = NULL,
title_colour = NULL,
subtitle_size = NULL,
subtitle_family = NULL,
subtitle_colour = NULL,
caption_size = NULL,
caption_family = NULL,
caption_colour = NULL,
caption_hjust = 0,
legend_place = "right",
legend_axis_line_colour = NULL,
legend_axis_line_linewidth = NULL,
legend_background_fill = NULL,
legend_key_fill = NULL,
legend_ticks_colour = NULL,
legend_ticks_linewidth = NULL,
legend_ticks_length = grid::unit(c(2.75, 0), "pt"),
axis_line_colour = NULL,
axis_line_linewidth = 0.2,
axis_ticks_colour = NULL,
axis_ticks_linewidth = NULL,
axis_ticks_length = grid::unit(3.66, "pt"),
panel_background_fill = "white",
panel_grid_colour = flexoki::flexoki$base["base50"],
panel_grid_linetype = 1,
panel_grid_linewidth = 1,
panel_grid_minor_linetype = 1,
panel_grid_minor_linewidth = 0.5,
plot_background_fill = "white",
panel_widths = NULL,
panel_heights = NULL
)

```

Arguments

...	Require named arguments (and support trailing commas).
text_size	The base size of the text theme element. Defaults to 10.
text_family	The base family of the text theme element. Defaults to "".
text_colour	The base colour of the text theme element.
title_size	The size of the plot.title theme element. Defaults to text_size.
title_family	The family of the plot.title theme element. Defaults to text_family.
title_colour	The colour of the plot.title theme element. Defaults to text_colour.
subtitle_size	The size of the plot.subtitle theme element. Defaults to text_size.
subtitle_family	The family of the plot.subtitle theme element. Defaults to text_family.

subtitle_colour	The colour of the plot.subtitle theme element. Defaults to text_colour.
caption_size	The size of the plot.caption theme element. Defaults to text_size.
caption_family	The family of the plot.caption theme element. Defaults to text_family.
caption_colour	The colour of the plot.caption theme element. Defaults to text_colour.
caption_hjust	The horizontal justification of the plot.caption theme element. Defaults to 0.
legend_place	The place of the legend. Either "right", "top" or "bottom".
legend_axis_line_colour	The colour of the legend.axis.line theme element.
legend_axis_line_linewidth	The linewidth of the legend.axis.line theme element.
legend_background_fill	The fill (and colour) of the legend.background theme element.
legend_key_fill	The fill (and colour) of the legend.key theme element.
legend_ticks_colour	The colour of the legend.ticks theme element.
legend_ticks_linewidth	The linewidth of the legend.ticks theme element.
legend_ticks_length	The length of the legend.ticks.length theme element.
axis_line_colour	The colour of the axis.line theme element. Defaults to text_colour.
axis_line_linewidth	The linewidth of the axis.line theme element.
axis_ticks_colour	The colour of the axis.ticks theme element.
axis_ticks_linewidth	The linewidth of the axis.ticks theme element.
axis_ticks_length	The length of the axis.ticks.length theme element.
panel_background_fill	The fill (and colour) of the panel.background theme element.
panel_grid_colour	The colour of the panel.grid theme element.
panel_grid_linetype	The linetype of the panel.grid.major theme element.
panel_grid_linewidth	The linewidth of the panel.grid.major theme element.
panel_grid_minor_linetype	The linetype of the panel.grid.minor theme element.
panel_grid_minor_linewidth	The linewidth of the panel.grid.minor theme element.

plot_background_fill	The fill (and colour) of the plot.background theme element.
panel_widths	The panel.widths theme element. A unit or unit vector setting the width of individual panels, or a single unit for the total panel area width. Overrides aspect ratio set by the theme, coord, or facets. Defaults to NULL.
panel_heights	The panel.heights theme element. A unit or unit vector setting the height of individual panels, or a single unit for the total panel area height. Overrides aspect ratio set by the theme, coord, or facets. Defaults to NULL.

Details

Light theme

Value

A ggplot theme.

void_drift	<i>Void drift refine</i>
------------	--------------------------

Description

Removes all axis lines, ticks, and minor ticks, and removes all axis text and axis titles. Removes panel gridlines on the orientation axis only when at least one axis is discrete.

Usage

void_drift(..., discrete = "none", orientation = NULL)

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

void_drop	<i>Void drop refine</i>
-----------	-------------------------

Description

Removes all axis lines, ticks, and minor ticks, and removes all axis text and axis titles. Removes all panel gridlines.

Usage

```
void_drop(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

void_flow	<i>Void flow refine</i>
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Description

Removes all axis lines, ticks, and minor ticks, and removes all axis text and axis titles. Removes panel gridlines on the orientation axis.

Usage

```
void_flow(..., discrete = "none", orientation = NULL)
```

Arguments

...	Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
discrete	Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
orientation	Character. The primary axis of interest: "x" or "y". This affects grid modes such as *_drift() and *_flow(). If NULL (default), orientation is inferred from discrete: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

<code>void_keep</code>	<i>Void keep refine</i>
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Description

Removes all axis lines, ticks, and minor ticks, and removes all axis text and axis titles. Panel gridlines are left unchanged.

Usage

```
void_keep(..., discrete = "none", orientation = NULL)
```

Arguments

- `...` Reserved for future extensions. Placed first so later arguments must be named, and to support trailing commas in calls.
- `discrete` Character scalar describing which axes should be treated as discrete for refinement purposes: "none", "x", "y", or "both".
- `orientation` Character. The primary axis of interest: "x" or "y". This affects grid modes such as `*_drift()` and `*_flow()`. If NULL (default), orientation is inferred from `discrete`: "y" gives "y", otherwise "x".

Value

A ggplot2 theme object

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