neural-sketch-styles.sty

Global style keys for neural-sketch

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implementation   ¡¡¡ ¡*package¿

```
1
2 \ExplSyntaxOn
3
4 % globals ˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜ <<<
5 \dim_new:N \g__nsk_style_container_padding_dim
6
7 % ˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜
8 % Global package styles
9 % The user can write:  block-fill=orange
10 % ˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜ <<<
11 \keys_define:nn { nsk / style }
12 {
13 % ˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜
14 % nsk / Block
15 % ˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜˜ <<<
16 block-fill .tl_gset:N = \g__nsk_style_block_fill_tl,
17 block-fill .initial:n = { nskLightGray },
18 block-fill .default:n = { nskLightGray },
19
20 block-border-color .tl_gset:N = \g__nsk_style_block_border_color_tl,
21 block-border-color .initial:n = { nskDarkGray },
22 block-border-color .default:n = { nskDarkGray },
23
24 block-border-radius .dim_gset:N = \g__nsk_style_block_border_radius_dim,
25  block-border-radius .initial:n = {2.5mm},
26  block-border-radius .default:n = {2.5mm},
27
28 block-embed-border-radius .dim_gset:N = \g__nsk_style_block_embed_border_radius_dim,
29  block-embed-border-radius.initial:n = {1.3mm},
30  block-embed-border-radius.default:n = {1.3mm},
31
32 block-embed-padding .dim_gset:N = \g__nsk_style_block_embed_padding_dim,
33  block-embed-padding .initial:n = {1mm},
34  block-embed-padding .default:n = {1mm},
35
36 block-border-size .dim_gset:N = \g__nsk_style_block_border_size_dim,
37  block-border-size .initial:n = {.4mm},
38  block-border-size .default:n = {.4mm},
```

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39
40 block-width  .dim_gset:N = \g__nsk_style_block_width_dim,
41 block-width  .initial:n = {1cm},
42 block-width  .default:n = {1cm},
43
44 block-height .dim_gset:N = \g__nsk_style_block_height_dim,
45 block-height .initial:n = {1cm},
46 block-height .default:n = {1cm},
47
48 shadow .bool_gset:N = \g__nsk_style_block_shadow_bool,
49
50 % text-anchoring ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ <<<
51 text-north-loc .tl_gset:N = \g__nsk_style_text_north_loc_tl,
52 text-north-loc .initial:n = {},
53 text-north-loc .default:n = {},
54
55 text-south-loc .tl_gset:N = \g__nsk_style_text_south_loc_tl,
56 text-south-loc .initial:n = {},
57 text-south-loc .default:n = {},
58
59 text-east-loc .tl_gset:N = \g__nsk_style_text_east_loc_tl,
60 text-east-loc .initial:n = {},
61 text-east-loc .default:n = {},
62
63 text-west-loc .tl_gset:N = \g__nsk_style_text_west_loc_tl,
64 text-west-loc .initial:n = {},
65 text-west-loc .default:n = {},
66
67 text-center-loc .tl_gset:N = \g__nsk_style_text_center_loc_tl,
68 text-center-loc .initial:n = {},
69 text-center-loc .default:n = {},
70
71 % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
72 % nsk / Container
73 % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ <<<
74 container-border-color .tl_gset:N = \g__nsk_style_container_border_color_tl,
75 container-border-color .initial:n = { nskLighterGray },
76
77 container-fill .tl_gset:N = \g__nsk_style_container_fill_tl,
78 container-fill .initial:n = { nskLightestGray },
79 container-fill .default:n = { nskLightestGray },
80
81 container-padding .dim_gset:N = \g__nsk_style_container_padding_dim,
82 container-padding .initial:n = { .5cm },
83 container-padding .default:n = { .5cm },
84
85 container-shift-x .fp_gset:N = \g__nsk_style_container_x_fp,
86 container-shift-x .initial:n = { 0 },
87 container-shift-x .default:n = { 0 },
88
89 container-shift-y .fp_gset:N = \g__nsk_style_container_y_fp,
90 container-shift-y .initial:n = { 0 },
91 container-shift-y .default:n = { 0 },
92
```

```
93  container-rotate .fp_gset:N = \g__nsk_style_container_rotate_fp,
94  container-rotate .initial:n = { 0 },
95  container-rotate .default:n = { 0 },
96
97  container-scale .fp_gset:N = \g__nsk_style_container_scale_fp,
98  container-scale .initial:n = { 1 },
99  container-scale .default:n = { 1 },
100
101 }
102
103 % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
104 % Aliases
105 % A property to hold short aliases that map to
106 % standard TikZ pattern names.
107 % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ <<<
108 \prop_new:N \g_nsk_pattern_aliases_prop
109
110 \prop_put:Nnn \g_nsk_pattern_aliases_prop { hlines } { horizontal\space lines }
111 \prop_put:Nnn \g_nsk_pattern_aliases_prop { vlines } { vertical\space lines }
112 \prop_put:Nnn \g_nsk_pattern_aliases_prop { hatch } { north\space east\space lines }
113 \prop_put:Nnn \g_nsk_pattern_aliases_prop { rhatch } { north\space west\space lines }
114
115
116 % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
117 % Tikz styles
118 % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ <<<
119 \ExplSyntaxOff
120 \tikzset{
121 nskShadow/.style={
122     drop shadow={
123       shadow xshift=-.1ex,
124       shadow yshift=-.6ex,
125       fill=nskLighterGray
126     },
127   },
128 bridging path/.initial=arc,
129 bridging span/.initial=8pt,
130 bridging gap/.initial=4pt,
131 bridge/.style 2 args={
132    spath/split at intersections with={#1}{#2},
133    spath/insert gaps after components={#1}{\pgfkeysvalueof{/tikz/bridging span}},
134    spath/join components upright with={#1}{\pgfkeysvalueof{/tikz/bridging path}},
135
136    spath/split at intersections with={#2}{#1},
137    spath/insert gaps after components={#2}{\pgfkeysvalueof{/tikz/bridging gap}},
138  }
139 }
140 \ExplSyntaxOn
141
142 % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
143 % Public Interface
144 % - (user-facing)
145 % () Provide a simple public macro to set these style keys in one line:
146 % ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ <<<
```

4

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147 % WARNING: only for internal-use, deprecated in favor of pkgopts
148 \NewDocumentCommand \nskSetStyle { O{} }
149 {
150  % #1 is the keyval list, e.g.  block-fill=yellow, block-border=blue
151  \keys_set:nn { nsk / style }{ #1 }
152 }
153
154 \ExplSyntaxOff
```

¡/package¿