

## defaults.m

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{ Prt ---- standard text printer }
{ One needs an application to print through the print manager. }
{ NOTEPAD comes standard on windows and can serve this purpose. }
{ This macro assumes that 'C:\ME10.PRT' is writable. }
  DEFINE Prt
    'C:\ME.PRT'
    RUN 'notepad /pC:\ME.PRT'
    PURGE_FILE 'C:\ME.PRT' CONFIRM
  END_DEFINE

DEFINE Add_new_plotters

  { Add ME10_HPGL/HPGL2_GENERIC on win & UX platform }
  PLOTTER_TYPE ADD HPGL 'ME10_HPGL_GENERIC'
  PLOTTER_TYPE ADD HPGL2 'ME10_HPGL2_GENERIC'

  PLOTTER_TYPE ADD MSWINDOW_EMF_CLIPBOARD CENTER 'MSWINDOW_EMF_CLIPBOARD'

END_DEFINE

Add_new_plotters

{ see help system for detailed information of the following entries. }

Set_sys_plot_center ON
Set_sys_plot_plotscale 1
Set_sys_plot_source ALL
Set_sys_plot_source_ll 0,0
Set_sys_plot_source_ur 100,100
Set_sys_plot_as_displayed (FALSE)
Set_sys_plot_rot 0
Set_sys_plot_offset_x 0
Set_sys_plot_offset_y 0
Set_sys_plot_source_partname ''
Set_sys_plot_format_width 266.75
Set_sys_plot_format_height 185

Set_sys_plot_format ''

DEFINE Plot_pen_color
  LET Nt_plot_option NT_PLOT_OPTION_PEN_COLOR
  true_color_plotting off
  PLOT_TRANSFORMATION ALL { all colors } .0 1. .0 1. .0 1. SAME 1
  { Color mapping for a RGB color cube devided into 8 color ranges }
  PLOT_TRANSFORMATION ALL { black range } .0 .5 .0 .5 .0 .5 SAME 1
  PLOT_TRANSFORMATION ALL { red range } .5 1. .0 .5 .0 .5 SAME 2
  PLOT_TRANSFORMATION ALL { red range } .5 1. .0 .5 .0 .5 {0 width lines}
0 0 {same line type} SAME penwidth (.05) {pen number} 2
  PLOT_TRANSFORMATION ALL { green range } .0 .5 .5 1. .0 .5 SAME 3
  PLOT_TRANSFORMATION ALL { green range } .0 .5 .5 1. .0 .5 {0 width lines}
0 0 {same line type} SAME penwidth (.075) {pen number} 3
  PLOT_TRANSFORMATION ALL { yellow range } .5 1. .5 1. .0 .5 SAME 4
  PLOT_TRANSFORMATION ALL { yellow range } .5 1. .5 1. .0 .5 {0 width lines}
0 0 {same line type} SAME penwidth (.175) {pen number} 4
  PLOT_TRANSFORMATION ALL { blue range } .0 .5 .0 .5 .5 1. SAME 5
  PLOT_TRANSFORMATION ALL { blue range } .0 .5 .0 .5 .5 1. {0 width lines}
0 0 {same line type} SAME penwidth (.1) {pen number} 5
  PLOT_TRANSFORMATION ALL { magenta range } .5 1. .0 .5 .5 1. SAME 6
  PLOT_TRANSFORMATION ALL { magenta range } .5 1. .0 .5 .5 1. {0 width lines}
0 0 {same line type} SAME penwidth (.05) {pen number} 6
  PLOT_TRANSFORMATION ALL { cyan range } .0 .5 .5 1. .5 1. SAME 7
  PLOT_TRANSFORMATION ALL { cyan range } .0 .5 .5 1. .5 1. {0 width lines}
0 0 {same line type} SAME penwidth (.25) {pen number} 7
  PLOT_TRANSFORMATION ALL { white range } .5 1. .5 1. .5 1. SAME 0
  { special mappings for BLACK, WHITE etc. }
  PLOT_TRANSFORMATION ALL { black color } BLACK SAME 0
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                                defaults.m
PLOT_TRANSFORMATION ALL { white color } WHITE SAME 1
PLOT_TRANSFORMATION ALL { white color } .5 1. .5 1. .5 1. {0 width lines}
0 0 {same line type} SAME penwidth (.25) {pen number} 1
PLOT_TRANSFORMATION PHANTOM CYAN SAME 0
LET Plot_pix_color_option 1
END_DEFINE { Plot_pen_color }

DEFINE Plot_default_transformation
PLOT_TRANSFORMATION ALL ALL SAME 1
PLOT_TRANSFORMATION ALL BLACK SAME 0
PLOT_TRANSFORMATION ALL RED SAME 2
PLOT_TRANSFORMATION ALL GREEN SAME 3
PLOT_TRANSFORMATION ALL YELLOW SAME 4
PLOT_TRANSFORMATION ALL BLUE SAME 5
PLOT_TRANSFORMATION ALL MAGENTA SAME 6
PLOT_TRANSFORMATION ALL CYAN SAME 7
PLOT_TRANSFORMATION PHANTOM CYAN SAME 0
END_DEFINE

DEFINE Plot_black_and_white
LET Nt_plot_option NT_PLOT_OPTION_B_AND_W
true_color_plotting off
PLOT_TRANSFORMATION ALL { all colors } .0 1. .0 1. .0 1. SAME 1
{ Color mapping for a RGB color cube divided into 8 color ranges }
PLOT_TRANSFORMATION ALL { black range } .0 .5 .0 .5 .0 .5 SAME 1
PLOT_TRANSFORMATION ALL { red range } .5 1. .0 .5 .0 .5 SAME 1
PLOT_TRANSFORMATION ALL { red range } .5 1. .0 .5 .0 .5 {0 width lines}
0 0 {same line type} SAME penwidth (.05) {pen number} 1
PLOT_TRANSFORMATION ALL { green range } .0 .5 .5 1. .0 .5 SAME 1
PLOT_TRANSFORMATION ALL { green range } .0 .5 .5 1. .0 .5 {0 width lines}
0 0 {same line type} SAME penwidth (.075) {pen number} 1
PLOT_TRANSFORMATION ALL { yellow range } .5 1. .5 1. .0 .5 SAME 1
PLOT_TRANSFORMATION ALL { yellow range } .5 1. .5 1. .0 .5 {0 width lines}
0 0 {same line type} SAME penwidth (.175) {pen number} 1
PLOT_TRANSFORMATION ALL { blue range } .0 .5 .0 .5 .5 1. SAME 1
PLOT_TRANSFORMATION ALL { blue range } .0 .5 .0 .5 .5 1. {0 width lines}
0 0 {same line type} SAME penwidth (.1) {pen number} 1
PLOT_TRANSFORMATION ALL { magenta range } .5 1. .0 .5 .5 1. SAME 1
PLOT_TRANSFORMATION ALL { magenta range } .5 1. .0 .5 .5 1. {0 width lines}
0 0 {same line type} SAME penwidth (.05) {pen number} 1
PLOT_TRANSFORMATION ALL { cyan range } .0 .5 .5 1. .5 1. SAME 1
PLOT_TRANSFORMATION ALL { cyan range } .0 .5 .5 1. .5 1. {0 width lines}
0 0 {same line type} SAME penwidth (.25) {pen number} 1
PLOT_TRANSFORMATION ALL { white range } .5 1. .5 1. .5 1. SAME 0
{ Special mappings for BLACK, WHITE etc. }
PLOT_TRANSFORMATION ALL { black color } BLACK SAME 0
PLOT_TRANSFORMATION ALL { white color } WHITE SAME 1
PLOT_TRANSFORMATION ALL { white color } .5 1. .5 1. .5 1. {0 width lines}
0 0 {same line type} SAME penwidth (.25) {pen number} 1
PLOT_TRANSFORMATION PHANTOM CYAN SAME 0
LET Plot_pix_color_option 0
END_DEFINE { Plot_black_and_white }

Plot_black_and_white { Generate a black-and-white plot }
Destination_print_mgr { Send plot/screen dump to Print Manager }
Print_mgr_option_on { Show print manager dialog to configure plotter for each plot }

{ Setting the plot configuration }

Reset_sys_plot_configuration { Reset the plot configuration }

DEFINE User_plot_macro
Plot_default_transformation
END_DEFINE

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                                defaults.m
{ select one plot configuration to be current. }

DEFINE I_hatch_iron
  HATCH_ANGLE 45
  HATCH_DIST 5
  CURRENT_HATCH_PATTERN 0 1 0 CYAN SOLID CONFIRM
END_DEFINE

DEFINE I_hatch_steel
  HATCH_ANGLE 45
  HATCH_DIST 15
  CURRENT_HATCH_PATTERN 0 1 0 CYAN SOLID (1/3) 1 0 CYAN SOLID CONFIRM
END_DEFINE

DEFINE I_hatch_copper
  HATCH_ANGLE 45
  HATCH_DIST 10
  CURRENT_HATCH_PATTERN 0 1 0 CYAN SOLID 0.5 1 0 CYAN DASHED CONFIRM
END_DEFINE

DEFINE_MOUSE_KEY 3 PLAIN 'Inq_command'#M

DEFINE Add_spec_chars_macro

INQ_ENV 0
IF (NOT (POS(INQ 301) "ME10v"))

  ADD_SPEC_CHAR DEL_OLD 'Degree'          'hp_symbols' 48
  ADD_SPEC_CHAR DEL_OLD 'Diameter'        'hp_symbols' 49
  ADD_SPEC_CHAR DEL_OLD 'PlusMinus'       'hp_symbols' 50
  ADD_SPEC_CHAR DEL_OLD 'Min'             'hp_symbols' 51
  ADD_SPEC_CHAR DEL_OLD 'Sec'             'hp_symbols' 52
  ADD_SPEC_CHAR DEL_OLD 'Counterbore1'    'hp_symbols' 61
  ADD_SPEC_CHAR DEL_OLD 'Countersink1'    'hp_symbols' 62
  ADD_SPEC_CHAR DEL_OLD 'Depth1'          'hp_symbols' 63
  ADD_SPEC_CHAR DEL_OLD 'Cross'           'hp_symbols2' 195
  ADD_SPEC_CHAR DEL_OLD 'Square'          'hp_symbols2' 191
  ADD_SPEC_CHAR DEL_OLD 'Diameter2'      'hp_symbols2' 190
  ADD_SPEC_CHAR DEL_OLD 'ProjTol'         'hp_symbols2' 189
  ADD_SPEC_CHAR DEL_OLD 'Between'         'hp_symbols2' 231
  ADD_SPEC_CHAR DEL_OLD 'StatTol'        'hp_symbols2' 230
  ADD_SPEC_CHAR DEL_OLD 'EnvReq'          'hp_symbols2' 229
  ADD_SPEC_CHAR DEL_OLD 'ReciProcReqs'    'hp_symbols2' 228
  ADD_SPEC_CHAR DEL_OLD 'TangentPlane'    'hp_symbols2' 227
  ADD_SPEC_CHAR DEL_OLD 'FreeState'       'hp_symbols2' 226
  ADD_SPEC_CHAR DEL_OLD 'RFX'             'hp_symbols2' 188
  ADD_SPEC_CHAR DEL_OLD 'LMC'             'hp_symbols2' 187
  ADD_SPEC_CHAR DEL_OLD 'MMC'             'hp_symbols2' 186
  ADD_SPEC_CHAR DEL_OLD 'ConicalTaper'    'hp_symbols2' 155
  ADD_SPEC_CHAR DEL_OLD 'Slope'           'hp_symbols2' 154
  ADD_SPEC_CHAR DEL_OLD 'Depth2'         'hp_symbols2' 139
  ADD_SPEC_CHAR DEL_OLD 'Countersink2'    'hp_symbols2' 138
  ADD_SPEC_CHAR DEL_OLD 'Counterbore2'    'hp_symbols2' 137
  ADD_SPEC_CHAR DEL_OLD 'Greater2'        'hp_symbols2' 132
  ADD_SPEC_CHAR DEL_OLD 'Greater'         'hp_symbols2' 131
  ADD_SPEC_CHAR DEL_OLD 'Roughness3'      'hp_symbols2' 129
  ADD_SPEC_CHAR DEL_OLD 'Roughness2'      'hp_symbols2' 128
  ADD_SPEC_CHAR DEL_OLD 'Roughness1'      'hp_symbols2' 127
  ADD_SPEC_CHAR DEL_OLD 'Micro'           'hp_symbols2' 126

END_IF

END_DEFINE

Add_spec_chars_macro

REDRAW_USE_DOUBLE_BUFFER ON
REDRAW_MODE PARTS_AS_BOX 16

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defaults.m

REDRAW\_MODE PARTS\_AS\_BOX MAGENTA

REDRAW\_MODE DYNAMIC ALL HATCHING OFF END

```
{*** Standard info text namespaces ***** -- text -- *****}
REGISTER_INFO_NAMESPACE 2.78 'LAYER:*' 'SYS:LAYER_SCOPE' END
REGISTER_INFO_NAMESPACE 2.78 'URL:*' 'SYS:URL_SCOPE' END
REGISTER_INFO_NAMESPACE 2.78 'HIDDEN:*' 'SYS:HL_SCOPE' END
REGISTER_INFO_NAMESPACE 2.78 'Z_LEVEL:*' 'SYS:HL_SCOPE' END
REGISTER_INFO_NAMESPACE 2.78 'PART_Z_LEVEL:*' 'SYS:HL_SCOPE' END
REGISTER_INFO_NAMESPACE 2.78 'FACE_COLOR:*' 'SYS:HL_SCOPE' END
```