

```
%!
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
%  @(#)neatwin.ps
%
%  NeatWindow Class pie menu based window manager
%  Copyright (C) 1988.
%  By Don Hopkins.
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%
%  This program is provided for UNRESTRICTED use provided that this
%  copyright message is preserved on all copies and derivative works.
%  This is provided without any warranty. No author or distributor
%  accepts any responsibility whatsoever to any person or any entity
%  with respect to any loss or damage caused or alleged to be caused
%  directly or indirectly by this program. This includes, but is not
%  limited to, any interruption of service, loss of business, loss of
%  information, loss of anticipated profits, core dumps, abuses of the
%  virtual memory system, or any consequential or incidental damages
%  resulting from the use of this program.
%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

```
systemdict begin
```

```
systemdict /PieMenu known not {
  (News/piemenu.ps) LoadFile pop
} if
```

```
/NeatWindow LiteWindow []
classbegin
```

```
  /stretchtopright {
    FrameX FrameY
    BBoxFromUser reshape
    non-iconic
  } def
```

```
  /stretchtopleft {
    FrameX FrameWidth add FrameY
    BBoxFromUser reshape
    non-iconic
  } def
```

```
  /stretchbottomright {
    FrameX FrameY FrameHeight add
    BBoxFromUser reshape
    non-iconic
  } def
```

```
  /stretchbottomleft {
    FrameX FrameWidth add FrameY FrameHeight add
    BBoxFromUser reshape
    non-iconic
  } def
```

```
  /stretchtop {
    /GA_value FrameX def
```

```

    /GA_constraint 0 def
    FrameX FrameWidth add    FrameY
    BBoxFromUser reshape
    non-iconic
} def

/stretchbottom {
    /GA_value FrameX def
    /GA_constraint 0 def
    FrameX FrameWidth add    FrameY FrameHeight add
    BBoxFromUser reshape
    non-iconic
} def

/stretchleft {
    /GA_value FrameY def
    /GA_constraint 1 def
    FrameX FrameWidth add    FrameY FrameHeight add
    BBoxFromUser reshape
    non-iconic
} def

/stretchright {
    /GA_value FrameY def
    /GA_constraint 1 def
    FrameX FrameY FrameHeight add
    BBoxFromUser reshape
    non-iconic
} def

/movevertical {
    /GA_constraint 0 def
    slide
} def

/movehorizontal {
    /GA_constraint 1 def
    slide
} def

/flipmove {
    gsave
    framebuffer setcanvas
    /unmap self send
    /Iconic? Iconic? not def
    CurrentEvent begin XLocation YLocation end
    Iconic? {
        exch IconWidth 2 div sub exch IconHeight 2 div sub
    } {
        exch FrameWidth 2 div sub exch FrameHeight 2 div sub
    } ifelse
    move
    map slide
    grestore
} def

/non-iconic {
    Iconic? { flipiconic } if

```

```

} def

/reshapefromuser-open {
  reshapefromuser
  non-iconic
} def

/CreateFrameMenu { % - => - (Create frame menu)
  % Note: Store menu in class to share menus, especially if retained.
  /FrameMenu ClassFrameMenu def
} def

/CreateIconMenu { % - => - (Create icon menu)
  % Note: Store menu in class to share menus, especially if retained.
  /IconMenu ClassIconMenu def
} def

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

% The menus shared by all instances of the class:

  /FrameZapMenu [
    /nuke                {/destroy ThisWindow send}
    (No!)                {}
    (No!)                {}
    (No!)                {}
  ] /new DefaultMenu send def
FrameZapMenu /MenuFont /Times-BoldItalic findfont 24 scalefont put

  /FrameMoveMenu [
    /move_v              {/movevertical ThisWindow send}
    /move                {/slide ThisWindow send}
    /eye3                {/flipmove ThisWindow send}
    /move_h              {/movehorizontal ThisWindow send}
  ] /new DefaultMenu send def

  /IconMoveMenu [
    /move_v              {/movevertical ThisWindow send}
    /move                {/slide ThisWindow send}
    /eye                 {/flipmove ThisWindow send}
    /move_h              {/movehorizontal ThisWindow send}
  ] /new DefaultMenu send def

  /FrameStretchMenu [
    /stretch_h           {/stretchtop ThisWindow send}
    /stretchNE           {/stretchtopright ThisWindow send}
    [/stretch_v 4 0]     {/stretchright ThisWindow send}
    /stretchSE           {/stretchbottomright ThisWindow send}
    /stretch_h           {/stretchbottom ThisWindow send}
    /stretchSW           {/stretchbottomleft ThisWindow send}
    [/stretch_v 4 0]     {/stretchleft ThisWindow send}
    /stretchNW           {/stretchtopleft ThisWindow send}
  ] /new DefaultMenu send def

  /ClassFrameMenu [
    [(\255) /Symbol findfont 18 scalefont]
    {/totop ThisWindow send}
    /painting_hand

```

```

                                {/paint ThisWindow send}
(Move\274)
                                FrameMoveMenu
(Zap?)                          FrameZapMenu
[(\257) /Symbol findfont 18 scalefont]
                                {/tobottom ThisWindow send}
(Reshape!)                      {/reshapefromuser-open ThisWindow send}
(Stretch\274)
                                FrameStretchMenu
/eye3                            {/flipiconic ThisWindow send}
] /new DefaultMenu send def
ClassFrameMenu /MenuFont /Times-Roman findfont 18 scalefont put

/ClassIconMenu [
  [(\255) /Symbol findfont 18 scalefont]
                                {/totop ThisWindow send}
  /painting_hand
                                {/paint ThisWindow send}
  (Move\274)
                                IconMoveMenu
  (Zap?)                          FrameZapMenu
  [(\257) /Symbol findfont 18 scalefont]
                                {/tobottom ThisWindow send}
  (Reshape!)                      {/reshapefromuser-open ThisWindow send}
  (Stretch\274)
                                FrameStretchMenu
  /eye                            {/flipiconic ThisWindow send}
] /new DefaultMenu send def
ClassIconMenu /MenuFont /Times-Roman findfont 18 scalefont put

classend def

/DefaultWindow NeatWindow def

end % systemdict

```