```
(RPAQQ PLOTBOXPATCHCOMS ((FNS BOXREGION DRAWPLOT)))

(DEFINEQ
```

(BOXREGION
```
  (LAMBDA (REGION STREAM NOLEFT NORIGHT NOTOP NOBOTTOM)          ; Edited  4-Oct-88 10:04 by thh:

    ;; Draw a box around a region in STREAM, omitting specified sides

    (PROG ((RLEFT (|fetch| LEFT |of| REGION))
           (RBOTTOM (|fetch| BOTTOM |of| REGION))
           (RRIGHT (|fetch| RIGHT |of| REGION))
           (RTOP (|fetch| TOP |of| REGION))
           (LINEWIDTH (DSPSCALE NIL STREAM)))
          (OR NOBOTTOM (DRAWLINE RLEFT RBOTTOM RRIGHT RBOTTOM LINEWIDTH 'REPLACE STREAM))
          (OR NORIGHT (DRAWLINE RRIGHT RBOTTOM RRIGHT RTOP LINEWIDTH 'REPLACE STREAM))
          (OR NOTOP (DRAWLINE RRIGHT RTOP RLEFT RTOP LINEWIDTH 'REPLACE STREAM))
          (OR NOLEFT (DRAWLINE RLEFT RTOP RLEFT RBOTTOM LINEWIDTH 'REPLACE STREAM)))))
```

(DRAWPLOT
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  (LAMBDA (PLOT CURRENTSTREAM STREAMVIEWPORT STREAMREGION)       ; Edited  4-Oct-88 10:06 by thh:

    ;; Draws a plot on CURRENTSTREAM.  STREAMREGION is the region the PLOT will occupy.  Does not blank the STREAMREGION before
    ;; drawing

    (COND
      ((NOT (|type?| PLOT PLOT))
       (HELP "Not a PLOT " PLOT)))             ; Will not check, for the moment, that the streamregion is large
                                               ; enough
      (BOXREGION (|fetch| STREAMSUBREGION |of| STREAMVIEWPORT)
             CURRENTSTREAM
             (PLOTPROP PLOT 'NOLEFT)
             (PLOTPROP PLOT 'NORIGHT)
             (PLOTPROP PLOT 'NOTOP)
             (PLOTPROP PLOT 'NOBOTTOM))
      (|for| MARGIN |in| '(BOTTOM LEFT TOP RIGHT) |do| (DRAWMARGIN MARGIN CURRENTSTREAM STREAMVIEWPORT STREAMREGION
                                                          PLOT))
      (|for| OBJECT |in| (|fetch| PLOTOBJECTS |of| PLOT) |do| (DRAWPLOTOBJECT OBJECT STREAMVIEWPORT PLOT)))))
)
```

FUNCTION INDEX