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(RPAQQ FONTSAMPLERCOMS
       ((FNS FontSample FontSampleFaked FontTable)
        [VARS (*INTERESTING-CHARSETS* '(0 33 34 38 39 238 239 240 241]
        (DECLARE%: EVAL@COMPILE DONTCOPY (FILES (LOADCOMP)
                                                FONT))))

(DEFINEQ

(FontSample
  [LAMBDA (Fonts CharacterSets Printer StreamType)                (* edited%: "29-Apr-87 22:03")
    (LET* [[TitleFont (FONTCREATE NIL 12 'MRR 0 (OR StreamType (PRINTERTYPE Printer]
           (FontList (if (LISTP Fonts)
                         else (CONS Fonts)))
           [Stream (OPENIMAGESTREAM Printer StreamType (LIST 'FONTS (CONS TitleFont FontList]
           (InchesToPrinterUnits (FTIMES 72.0 (DSPSCALE NIL Stream)))
           (LastFont (CAR (LAST FontList)))
           [CharacterSets (if (LISTP CharacterSets)
                              then CharacterSets
                              else (LIST (OR CharacterSets 0]
           (LastCharacterSet (CAR (LAST CharacterSets]
          (DSPRIGHTMARGIN (fetch (REGION WIDTH) of (DSPCLIPPINGREGION NIL Stream))
                  Stream)
          (for Font in FontList do (for CharacterSet in CharacterSets do (FontTable Font CharacterSet Stream
                                                                                 (OR (NEQ Font LastFont)
                                                                                     (NEQ CharacterSet
                                                                                          LastCharacterSet))
                                                                                 TitleFont InchesToPrinterUnits))
                 finally (CLOSEF Stream])


(FontSampleFaked
  [LAMBDA (FontAsList Printer StreamType)                         (* N.H.Briggs "27-Apr-87 18:12")
    (LET* [[TitleFont (FONTCREATE NIL 12 'MRR 0 (OR StreamType (PRINTERTYPE Printer]
           (Font)
           [Stream (OPENIMAGESTREAM Printer StreamType (LIST 'FONTS (LIST TitleFont]
           (InchesToPrinterUnits (FTIMES 72.0 (DSPSCALE NIL Stream]
          [SETQ Font (NCREATE 'FONTDESCRIPTOR (DEFAULTFONT (OR StreamType (PRINTERTYPE Printer]
          (replace FONTFAMILY of Font with (CAR FontAsList))
          (replace FONTSIZE of Font with (CADR FontAsList))
          (replace FONTFACE of Font with (\FONTFACE (CADDR FontAsList)))
          (FontTable Font '(0)
                 Stream NIL TitleFont InchesToPrinterUnits)
          (CLOSEF Stream])


(FontTable
  [LAMBDA (Font CharacterSet Stream FormFeed TitleFont InchesToPrinterUnits)
                                                                 (* edited%: "29-Apr-87 22:36")
    (LET* ((Family (FONTPROP Font 'FAMILY))
           (Face (FONTPROP Font 'FACE))
           (Size (FONTPROP Font 'SIZE))
           (Title (CONCAT " " Size "pt " (L-CASE Family T)
                          " "
                          (L-CASE Face T)
                          " Character set ")))
          (printout T Title .I0.8 CharacterSet "Q")
          (RESETLST
              (RESETSAVE (RADIX 8))
              (for XPosition from (TIMES 0.65 InchesToPrinterUnits) by (TIMES 0.45 InchesToPrinterUnits)
                 as Counter from 0 to 15 bind (YPosition _ (TIMES 9.5 InchesToPrinterUnits))
                 do (MOVETO XPosition YPosition Stream)
                    (PRIN1 Counter Stream))
              (for YPosition from (TIMES 9 InchesToPrinterUnits) by (TIMES -0.5 InchesToPrinterUnits)
                 as Counter from 0 to 240 by 16 bind (XPosition _ (TIMES 0.25 InchesToPrinterUnits))
                 do (MOVETO XPosition YPosition Stream)
                    (PRIN1 Counter Stream)))
          (DRAWLINE (TIMES 0.25 InchesToPrinterUnits)
                 (TIMES 9.25 InchesToPrinterUnits)
                 (TIMES 8.0 InchesToPrinterUnits)
                 (TIMES 9.25 InchesToPrinterUnits)
                 (DSPSCALE NIL Stream)
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                    'PAINT Stream)
            (DRAWLINE (TIMES 0.6 InchesToPrinterUnits)
                    (TIMES 9.7 InchesToPrinterUnits)
                    (TIMES 0.6 InchesToPrinterUnits)
                    (TIMES 1.25 InchesToPrinterUnits)
                    (DSPSCALE NIL Stream)
                    'PAINT Stream)
            (DSPFONT Font Stream)
            (for YPosition from (TIMES 9 InchesToPrinterUnits) by (TIMES -0.5 InchesToPrinterUnits) as YCounter
               from 0 to 15 bind (CharacterCode _ 0)
               do (for XPosition from (TIMES 0.75 InchesToPrinterUnits) by (TIMES 0.45 InchesToPrinterUnits)
                     as XCounter from 0 to 15
                     do (MOVETO XPosition YPosition Stream)
                        (if (AND (NEQ CharacterCode (CHARCODE FF))
                                 (if (MEMB (IMAGESTREAMTYPE Stream)
                                           '(DISPLAY INTERPRESS))
                                     then (OR (AND (IGREATERP CharacterCode 31)
                                                   (ILESSP CharacterCode 127))
                                              (AND (IGREATERP CharacterCode 160)
                                                   (ILESSP CharacterCode 255)))
                                     else T))
                            then (PRINTCCODE (IPLUS (ITIMES CharacterSet 256)
                                                    CharacterCode)
                                        Stream))
                        (SETQ CharacterCode (ADD1 CharacterCode)))
                  (printout T "."))
            (MOVETO (FTIMES 0.75 InchesToPrinterUnits)
                    (FTIMES 0.75 InchesToPrinterUnits)
                    Stream)
            (DSPFONT TitleFont Stream)
            (printout Stream Title .I0.8 CharacterSet)
            (DSPYPOSITION (PLUS (DSPYPOSITION NIL Stream)
                                (TIMES -0.4 (FONTHEIGHT TitleFont)))
                    Stream)
            (printout Stream "8")
            [if (EQ (FILENAMEFIELD (FULLNAME Stream)
                           'HOST)
                    'LPT)
                then (MOVETO (FTIMES 0.75 InchesToPrinterUnits)
                             (FTIMES 0.5 InchesToPrinterUnits)
                             Stream)
                     (printout Stream " on " (L-CASE (OR (FILENAMEFIELD (FULLNAME Stream)
                                                                 'DEVICE)
                                                         (FILENAMEFIELD (FULLNAME Stream)
                                                                 'NAME))
                                                  T)
                             ", "
                             (GDATE NIL (DATEFORMAT NO.TIME SPACES]
            (if FormFeed
                then (DSPNEWPAGE Stream))
            (printout T " done." T])

)

(RPAQQ *INTERESTING-CHARSETS* (0 33 34 38 39 238 239 240 241))

(DECLARE%: EVAL@COMPILE DONTCOPY

(FILESLOAD (LOADCOMP)
      FONT)
)

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