FONTSAMPLE

FontSample provides a set of tools for generating Interpress masters for a font sampler, and is intended to allow you to see what results on a printer when you specify a font. This is useful because there may be several font substitutions between when you specify a font (for example in TEdit) and when a printer actually renders the font.

The set of font mappings is a function of the local font substitutions in a particular workstation, the workstation's environment (which fonts are available to it at that time, if the font file server is temporarily unavailable), which printer is being used, and which font files are currently installed on the printer.

For example, Lisp might substitute Terminal for Gacha, and the printer might substitute Modern for Terminal. Thus you could request Gacha and get Modern. The font sampler is intended to display the final result of these substitutions.

Requirements

`FONTSHEETSx.IP` (where **x** = 1, ... 7)

Installation

Load `FONTSAMPLE.LCOM` from the library.

User Interface

To find the cumulative effect of all font substitions at a given time, environment, and printer, you should generate the Interpress masters (which reflect the environmental and Lisp mappings) and then send them to various printers (which reflect the printer mappings).

```
(SEND.FILE.TO.PRINTER 'FONTSHEET1.IP)
(SEND.FILE.TO.PRINTER 'FONTSHEET2.IP)
etc.
```

Short sample masters for all currently supported InterPress fonts can be found in the Lisp Library with the names `FONTSHEET1.IP, FONTSHEET2.IP ... FONTSHEET7.IP`. These reflect the default Lisp font mappings.

Note: These environmental mappings may change from release to release, so new masters should be printed for every release.

Functions

(`FNT.MAKEBOOK` *OUTFROOTNAME LISTOFFONTS PRINTFN PERPAGE*)   [Function]

This function enumerates fonts across multiple output files. Multiple files are necessary because some printers cannot handle documents with many fonts. The function iterates over the fonts in *LISTOFFONTS*, invoking *PRINTFN*

(which has arguments as in `FNT.DISPLOOK`) *PERPAGE* times per output file. The files are named *OUTFROOTNAME* with the page number concatenated at the end. If *LISTOFFONTS* is the atom `ALL`, then `FONTSAVAILABLE` is invoked for all Interpress fonts (this is an extremely slow operation). *PRINTFN* defaults to `FNT.DISPLOOK`; *PERPAGE* defaults to 18. Each font in *LISTOFFONTS* should be a `FONTLIST`.

(`FNT.DISPTBLE` *STREAM FONT*) [Function]

This function prints a description of the font and characters 0 to 254 of the font specified by *FONT* on *STREAM.* It expects a letter-sized output stream. If used with `FNT.MAKEBOOK`, *PERPAGE* should be 1.

(`FNT.DISPLOOK` *STREAM FONT*) [Function]

This function prints a description of the font and representative characters of *FONT* on *STREAM.* If used with `FNT.MAKEBOOK`, *PERPAGE* should be 18.

Limitations

The font sheets are applicable only to InterPress printers.

Example

```
(SETQ FONTLISTLIST (LIST '(MODERN 10 MRR 0 INTERPRESS)
'(CLASSIC  8 BRR 0 INTERPRESS)))
(FNT.MAKEBOOK 'FOO FONTLISTLIST 'FNT.DISPTBLE 1)
```

generates two files named `FOO1` and `FOO2` each containing output from one invocation of `FNT.DISPTBLE`. Thus `FOO1` has a font table for (MODERN 10 MRR 0 INTERPRESS), `FOO2` has a font table for (CLASSIC 8 BRR 0 INTERPRESS).

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