

ANONYMOUS FTP OF THE SUPERPASCAL SOFTWARE

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These instructions describe the *SuperPascal* software, define the terms and conditions for its use, and explain how you obtain the software by anonymous FTP.

DEFINITIONS

The *SuperPascal* software (hereafter *Software*) is educational software written by Per Brinch Hansen (hereafter *PBH*). The *Software* consists of the *Manuals*, *Programs*, and *Scripts* for the programming language *SuperPascal* invented by *PBH*. The *Software* is stored as text in 11 files (hereafter *Files*).

The *Manuals*, written by *PBH*, are stored as L^AT_EX text in 3 *Files*:

- *report.tex*: “The programming language SuperPascal.”
- *user.tex*: “The SuperPascal user manual.”
- *notes.tex*: “The SuperPascal software notes.”

The *Programs*, written by *PBH*, are a *SuperPascal* compiler and interpreter (hereafter *Compiler* and *Interpreter*). The *Programs* are written in Pascal for Sun3 and Sun4 workstations running Unix. The *Programs* are stored as Pascal text in 6 *Files*:

- *common.p*: The common declarations used by the *Compiler* and *Interpreter*.
- *scan.p*: The *Compiler* procedure that performs lexical analysis.
- *parse.p*: The *Compiler* procedure that performs syntax, scope, and type analysis.
- *assemble.p*: The *Compiler* procedure that assembles interpreted code.
- *compile.p*: The *Compiler* program.
- *interpret.p*: The *Interpreter* program.

The *Scripts* are Unix shell scripts stored as text in 2 *Files*:

- *sun3.user*: A shell script for compilation of the *Programs* on a Sun3 workstation under Unix.

- *sun4.user*: A shell script for compilation of the *Programs* on a Sun4 workstation under Unix.

TERMS AND CONDITIONS

THE MANUALS ARE COPYRIGHTED BY PBH. THE PROGRAMS ARE IN THE PUBLIC DOMAIN. YOU CAN OBTAIN THE SOFTWARE BY ANONYMOUS FTP. THE SOFTWARE IS NOT GUARANTEED FOR A PARTICULAR PURPOSE. PBH SUPPLIES THE SOFTWARE "AS IS" WITHOUT ANY WARRANTIES OR REPRESENTATIONS AND DOES NOT ACCEPT ANY LIABILITIES WITH RESPECT TO THE SOFTWARE. YOU (THE USER) ARE RESPONSIBLE FOR SELECTING THE SOFTWARE, AND FOR THE USE AND RESULTS OBTAINED FROM THE SOFTWARE. YOUR USE OF THE SOFTWARE INDICATES YOUR ACCEPTANCE OF THESE TERMS AND CONDITIONS.

FILE TRANSFER PROCEDURE

To obtain the software, use anonymous FTP from the directory *pbh@top.cis.syr.edu*. If your local machine runs Unix, follow these steps to copy the files:

Create an empty directory on your local machine by typing

```
mkdir clone
```

Enter the local directory by typing

```
cd clone
```

Select the remote machine by typing

```
ftp top.cis.syr.edu
```

When prompted for your name, type

```
anonymous
```

When prompted for your password, type your

```
<e-mail address>
```

Enter the remote ftp directory by typing

```
cd pbh
```

Copy a shell archive that contains the *Files* by typing

```
get software.shar
```

Leave the remote machine by typing

```
bye
```

Split the archive into *Files* by typing

```
sh software.shar
```

Your local directory should now contain the Files.

HOW TO GET STARTED

Transform the L^AT_EX files into PostScript files and print the *Manuals*. Read "The SuperPascal software notes" which explain how you compile the *Programs* on Sun3 and Sun4 workstations. Compile the *Programs* into two executable files:

```
sc    An executable Compiler.  
sr    An executable Interpreter.
```

Then read "The programming language SuperPascal" and "The SuperPascal user manual."