

Demos:

Wheelscroll
Clipboard
Modernize windows
Running online

D_e_____nstrate features (this talk)

Applications built in Interlisp

- Notecards
- Rooms
- Loops
- Spin-Pro
- ... algebra ...
- others? Dendral STRGEN
- Improve *maintainability*
- *Gather documentation*

bibliography, software archive; produce updated documentation

2

Residential Environment

- *Define, edit, debug in the live environment*
- *write out to files to save for future session.*

(DEFINEQ (FOO (X) (PLUSS X X]
PP FOO
(FOO 6]
PP FOO
FILES?)

(CLEANUP)
SEE BAR

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- Common Lisp

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D Â Á É Â Â Â Á Á Â Â Â (recursive

revivers) Á Â Ô Kz"

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...

- System tracks what changed

Demo:

??

<change to (+ X PARAM) >

(FOO 6)

RETRY

interactive

searche

ble, "TTY" editor: original structure editor: powerful, programma
short commands (BO 3) P Q. Easy to get into unreadable state
,

because reading the code isn't necessary to edit it. Use:
`EDITMODE(TELETYPE)`

- DEDIT: Like TTY editor with menu and showing code.
`EDITMODE(DEDIT)`

- SEDIT: (maintains illusion that) you are editing structure. Parentheses are balanced at all times, but you can just type and backspace "commands" per se. Careful use of placeholders.
`EDITMODE(SEDIT:SEDIT)`

Common to all: User never counts parentheses, modify whitespace, decide on line breaks or indentation

Correlary: diff tools are

awkward.

Modernization

- I excuses
 Oops, there werew no other tools. UIs established before Macintosh, before Windows, before Apple UI guidelines. Xerox Star diff erent from PARC systems

ll " size on corner. Warning: Exec win with menus. Reduction: some menus are invoked by "middle mouse button which on some mice is hard to press.

- Keyboard: Desired state: compatible keystrokes. A "help wanted" issue. Subtasks: decide what keystrokes do what; slash through 7 layers of keyboard re-interpretation.



Reduce Barriers to Entry

- Running Online

Demo:

```
OPEN-URL("https://online.interlisp.org")
```

- Installation instructions

Demo:

```
OPEN-URL("https://interlisp.org/running/")
```
