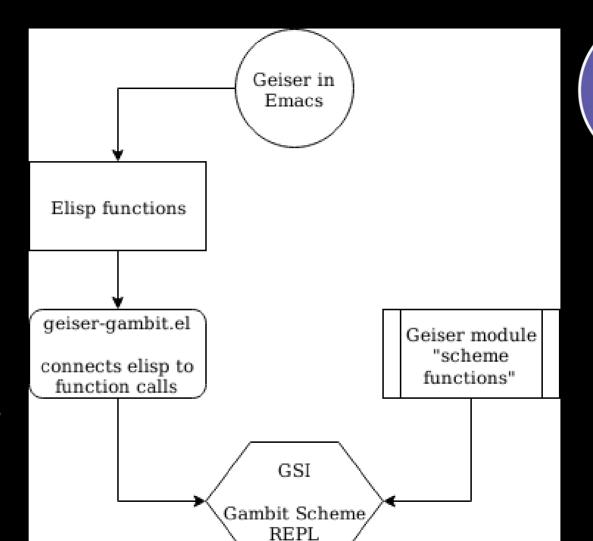


Geiser with Gambit





WHAT IS GEISER?

Geiser is an Emacs environment to hack and have fun in Scheme. (inspired by: Common Lisp's Slime, Factor's FUEL, Squeak or Emacs itself)

What can you do with Geiser?





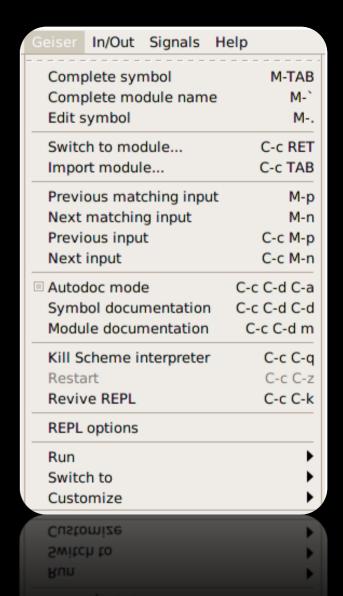


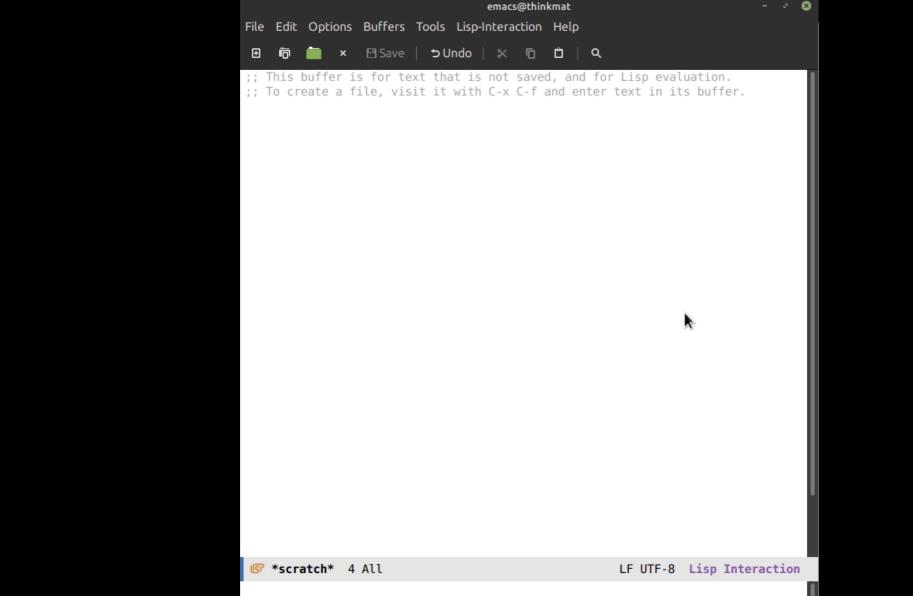


- Autodoc: the echo area shows information about the signature of the procedure/macro around point automatically.
- Access to documentation (including docstrings when the implementation provides it).
- **E** Listings of callers/callees of procedures.
- Rudimentary support for debugging (when the REPL provides a debugger) and error navigation.
- Support for multiple, simultaneous REPLs.
- **Remote connection to REPL**

Functionalities helper

- Handy until you've memorized Geiser commands (learning device)
- Ctrl-h m :: another option





Form evaluation

• You can open a scheme file and evaluate every sexpr and the entire file directly from Emacs!

C-M-x	geiser-eval-definition	Eval definition around point
C-c C-c	geiser-eval-definition	Eval definition around point
C-c M-e	geiser-eval-definition-and-go	Eval definition around point and switch to REPL
С-с М-с	geiser-eval-definition-and-go	Eval definition around point and switch to REPL
C-x C-e	geiser-eval-last-sexp	Eval sexp before point
C-c C-r	geiser-eval-region	Eval region
C-c M-r	geiser-eval-region-and-go	Eval region and switch to REPL
C-c C-b	geiser-eval-buffer	Eval buffer
C-c M-b	geiser-eval-buffer-and-go	Eval buffer and switch to REPL
C-c M-b	geiser-eval-buffer-and-go	Eval buffer and switch to REPL
C-c C-b	geiser-eval-buffer	Eval buffer

A lot of nice details

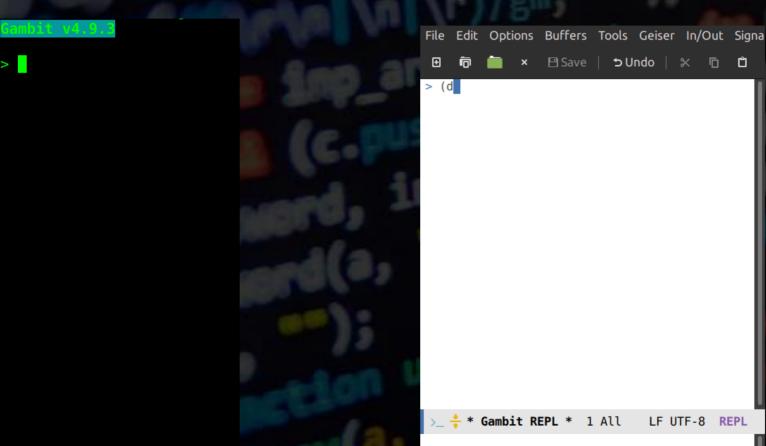
Code indentation in REPL

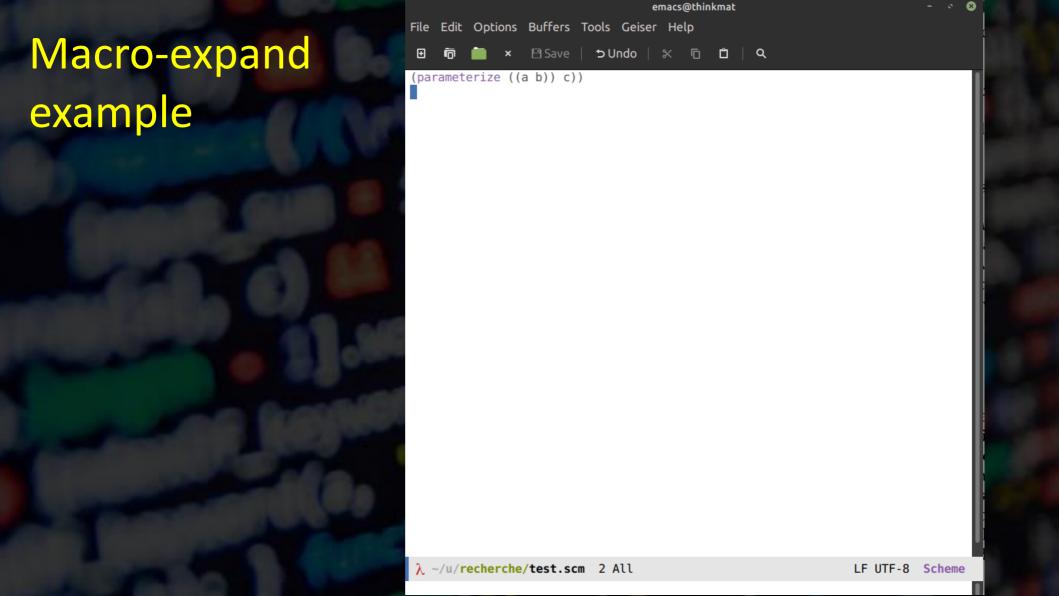
Company-mode compatibility

Macroexpansion Remote REPL connection

Fully customizable

Indentation in terminal vs indentation using Geiser





Buffer evalutation

```
emacs@thinkmat
File Edit Options Buffers Tools Geiser In/Out Signals Help
              Bave Dundo X □ 🖒 Q
(define (foo a b c)
 (+ a b (+ b
           c)))
(foo 2 4 6)
;;(parameterize ((a b)) c)
(+24)
λ -/u/recherche/test.scm 9 All
                                                           LF UTF-8 Scheme
```

Autodoc

Remote connect To connect to a distant REPL

FIRST OPEN
A REPL
USING THE
GEISER
MODULE

File Edit View Search Terminal Help
mathieu@thinkmat:~\$ gsi -:dar\$ gambit/geiser

macnieu@cninkmac: ~

Coming soon!



Current thread identification in geiser REPL for multiple connections.



Debugging system for multithreadding



Remote connection request to Geiser from the REPL



You can contribute too! Suggestions of functionnalities are always welcome too.

Loading...

How to configure Geiser with Gambit for full functionalities ?

Configure using –enable-rtlib-debug

Be sure to add gsi to your terminal path Package-install geiser (from Melpa)





Missing features:

- External documentation
- Better debugging system
- Modules handling directly from geiser
- Compilation

Still very usable.

LETS DO A DEMO!

QUESTIONS?