

# Guile-Emacs

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# Guile-Elisp Status

- ▶ Nil
- ▶ Lisp-2
- ▶ Lexical and dynamic binding
- ▶ Lexical declarations
- ▶ Control flow
- ▶ Variable and function aliases
- ▶ ERT tests
- ▶ Subrs: symbols, lists, I/O, etc.
- ▶ Buffer-local variables

## Buffer-local variables

```
(define (with-context context thunk)
  (call-with-prompt
   'outer
   (lambda ()
     (with-context-state
      context
      (lambda ()
        (call-with-prompt
         'inner
         thunk
         (lambda (inner-cont escape-thunk)
           ((abort-to-prompt 'outer inner-cont escape-thunk)))))))
   (lambda (outer-cont inner-cont escape-thunk)
     (let ((val (call-with-prompt
                  'value
                  (lambda ()
                    (inner-cont
                     (lambda ()
                      (abort-to-prompt 'value (const (escape-thunk))))
                    (lambda (ignore val) val))))
            (with-context context (inner-cont (const val)))))))
       (define (with-context-state context thunk)
         (with-fluids* (map car context) (map cdr context) thunk))
       (define (escape proc) ((abort-to-prompt 'inner proc)))
```

<http://forkingpath.org/guile-emacs/>

Questions?