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SciOS XSI/CLIPS V 2.1 -- TeXmacs mode
: (xsi-version)
2.1
: (tex "-\\frac{\\hbar^2}{2m}\\Delta\\psi+V(x)\\psi=E\\psi")

$$-\frac{\hbar^2}{2m}\Delta\psi+V(x)\psi=E\psi$$

: (tex "$$\int_{\Omega} d\omega=\int_{\partial\Omega} \omega$$")

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: (html "<b>This is HTML code")
This is HTML code
: (scm "(define X 1)")
(define|X|1)
: (deffunction tm-msg (?left ?right ?len)
  "Write to TeXmacs status bar: str_left str_right int_duration [ms]"
  (cmd (str-cat
    "(set-temporary-message \"" ?left "\" \"" ?right "\" " ?len
    ")"))))
: (tm-msg "message left" "message right" "2000") ;; watch the status bar
: (tm-msg "abc" "123" "5000")
: (assert (number1 1234))
<Fact-1>
: (assert (number2 5678))
<Fact-2>
: (facts)
f-0      (initial-fact)
f-1      (number1 1234)
f-2      (number2 5678)
For a total of 3 facts.
: (defrule add (number1 ?X) (number2 ?Y) => (assert (sum (+ ?X ?Y))))
: (rules)
add
For a total of 1 defrule.
: (agenda)
0      add: f-1,f-2
For a total of 1 activation.
: (run)
: (facts)
f-0      (initial-fact)
f-1      (number1 1234)
f-2      (number2 5678)
f-3      (sum 6912)

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    For a total of 4 facts.
: (reset)
: (defclass Set (is-a INITIAL-OBJECT))
: (defclass Cartesian-product (is-a Set)
  (multislot factors (type INSTANCE)))
: (make-instance A of Set)
  [A]
: (make-instance B of Set)
  [B]
: (make-instance C of Cartesian-product (factors [A] [B]))
  [C]
: (instances)
  [initial-object] of INITIAL-OBJECT
  [A] of Set
  [B] of Set
  [C] of Cartesian-product
  For a total of 4 instances.
: (send [C] get-factors)
  ([A] [B])
: (exit)
  Busy...
:

```