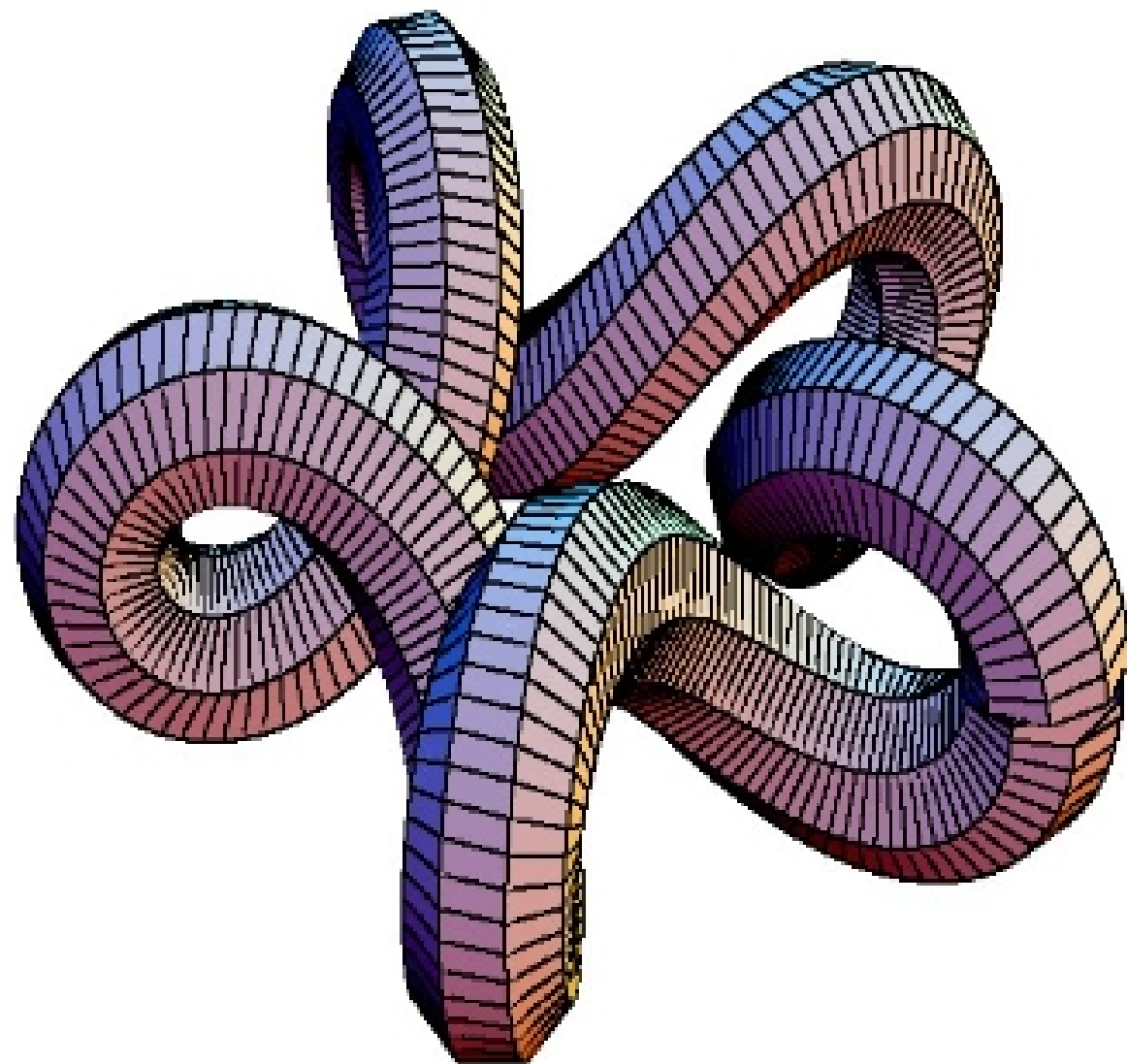


Lecture 9: Strange Loops and Sinister Repeaters Do be do be do



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Menu

- Defining Control Structures
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Trick(y) Question

Define a procedure

(repeat expr n)

that evaluates the expression *expr* *n* times.

For example,

(repeat (display "Hello"))

should produce

HelloHelloHello

This is impossible!

Scheme rule for evaluating applications evaluates all the subexpressions first!

So, the repeat procedure never even sees the expression, just the value it evaluates to.