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autolisp for a chair

AutoLISP is a programming language used in AutoCAD to automate tasks and create custom commands. It can be used to create a chair design by specifying the chair's dimensions, materials, and other properties.

Here is an example AutoLISP code that creates a simple chair with a backrest, seat, and four legs:

```
arduino Copy code
(defun c:chair ()
  (setq height 40.0) ; height of the chair
  (setq width 30.0) ; width of the seat
  (setq depth 30.0) ; depth of the seat
  (setq leg_height 30.0) ; height of the legs
  (setq leg_width 5.0) ; width of the legs
  (setq backrest_height 20.0) ; height of the backrest
  (setq backrest_width 20.0) ; width of the backrest

  ; create backrest
  (command "rectang" (strcat "0," (rtos depth)) (strcat backrest_w

  ; create legs
  (command "rectang" "0,0" (strcat leg_width "," (rtos leg_height))
  (command "rectang" (strcat (rtos width "," "0") ", " (rtos leg_he
  (command "rectang" (strcat "0," (rtos (+ depth leg_height))) (st
  (command "rectang" (strcat (rtos width "," (rtos (+ depth leg_he

  (princ)
)
```

This code defines a function called "chair" that creates a chair by drawing rectangles of specified dimensions using the AutoCAD "rectang" command. The dimensions of the chair, including the seat height, width, and depth, the leg height and width, and the backrest height and width, are defined using the "setq" command.

This is just a simple example, and you can modify and expand the code to add more features, such as armrests, cushions, and other design elements. Keep in mind that AutoLISP is a powerful programming language that can automate many tasks in AutoCAD, so there are many possibilities for creating custom chair designs.

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