

cmunew

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scale1; enable or disable scale factors
sclD2000,2000; distance scale factor
sclV2000,2000; velocity scale factor
sclA2000,2000; acceleration scale factor

delcmuset; user defined data delete program or subpath
defcmuset; user defined data begin program or subpath

;CMU test program
sgp8,6; set propotional gains
sgv3,3; velovity feedback gain
smper5,5; maximum allowable position error
ma11; absolute mode enable
lh3,3; hardware end of travel limit
t.5; time delay
drive11; drive x and y axis
t1; time delay

homv5,5; home velocity
homvf1,1; home final velocity
homz11; home to encoder Z-channel enable

hom11; go home x and y
d50,25; distance
goll; initate motion
pset0,0; establish absolute position
write"set!"
end; end program or path

delgrid; defgrid
v10,10; velocity
a1000,1000; acceleration
var1=0; variable numerical assignment
write"start loop"
l32; 32 loops

    v1; velocity
    d40; distance
    go1; initate motion x axis
    var1=var1+1; numerical variable assignment
    d,(var1); distance
    go01; initate motion y axis
    d0; disatnce
    v1; velocity
    go1; initate motion x axis
    var1=var1+1; numerical variable assignment
    d,(var1); distance
    go01; initate motion

ln; end of loop
write"stop loop";
end; end program or path
```