CISC 3250 Systems Neuroscience

Scilab: Loops and vector analysis



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Matrix math A= [1 2; 3 4]; b= [4; 5]; What is A*b? Transpose: [4; 5] == [4 5]' a' flips rows and columns

Removing excess dimensions

squeeze removes extra 1-entry dimensions

• plot(neuroData2(10,26,4,1:\$))

• plot(squeeze(neuroData2(10,26,4,1:\$)))

Loops: performing repeated actions for index=first:last action1; action2; end;

Count from first to last, perform actions each time

```
for i=1:10
a(i)=3*i;
end;
a
[3 6 9 12 15 18 21 24 27 30]
4
```

Loops: performing repeated actions for i=1:10 figure; disp2dB(squeeze(neuroData2(1:\$,1:\$,i,5))) end;













