

EE434
02/08/06

SS21 \Rightarrow 2-vector input
4 layers

1st 3 layers to have $\text{tansig} = \text{tanh}$
layer 4 with pure lin

neurons; layer 1 \Rightarrow 4
2 \Rightarrow 3
3 \Rightarrow 2
4 \Rightarrow 1

input for training

$P = [-2:1; +6; -1:1; 8]$; $PR = [-2 \ 0; -1 \ 8]$

for # of neurons [4 3 2 1]

transfer functions: 'tansig' 'tansig' 'tansig' 'purelin'

$t =$ training output = [1 2 3 4 5 4 3 2 1]

use the help of the matlab neural network
toolbox for newff; call it SS21