

# Homework 3

- To the multi-dimensional interpolation challenge we did in class (challengei3.m) add a third 'method' a neural network fit.
- Examine the effect of changing the number of neurons, e.g. try 2, 6, 10, 20 & 40 neurons.
- Examine the effect of varying:
  - The number of training epochs
  - The performance goal
- Compare the accuracy of the three methods using an RMS error metric, are the three methods comparable for this problem?