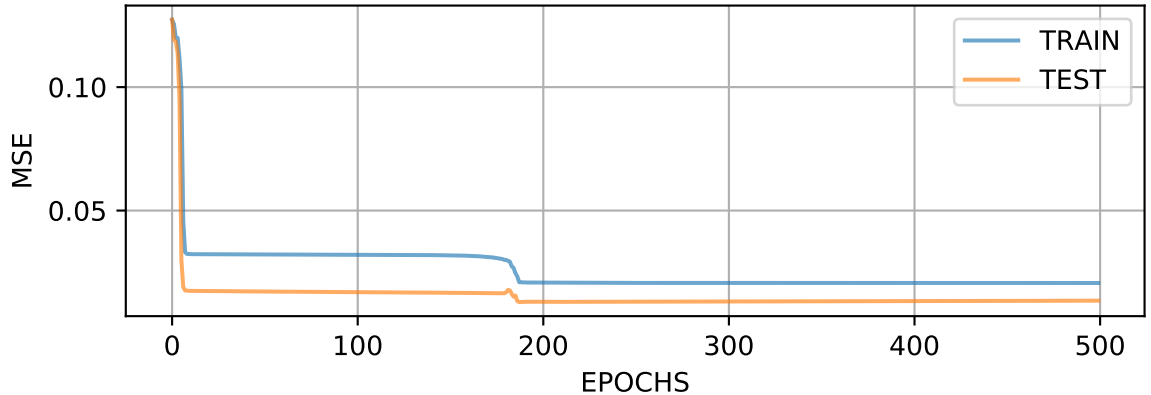


## MSE PER EPOCHS



## FINAL RESULTS AND PARAMETERS

OPTIMIZER:  
Conjugate gradient descent

FINAL VALUES:  
MSE TRAINING = 0.0207  
MSE TEST = 0.0135

HYPERPARAMETERS:  
Error goal = 0.0001  
 $\sigma_2 = 0.142524514189$   
 $\sigma_1 = 0.0001$   
 $\rho = 0.292083122054$   
Max epoch = 500  
 $\beta = \text{hs}$

TOPOLOGY:  
17 -> 4 -> 8 -> 1

ACTIVATIONS:  
input -> sigmoid -> sigmoid -> sigmoid