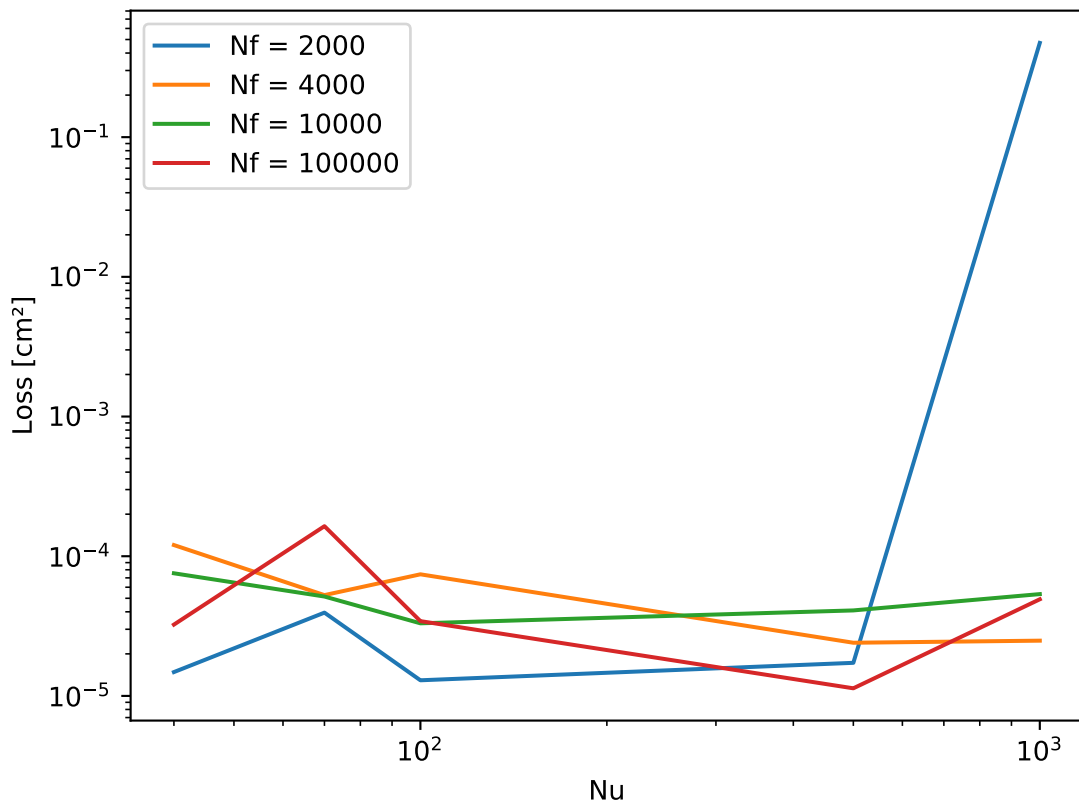One tank neural network's Nu/Nf test:
Adam epochs -> 500
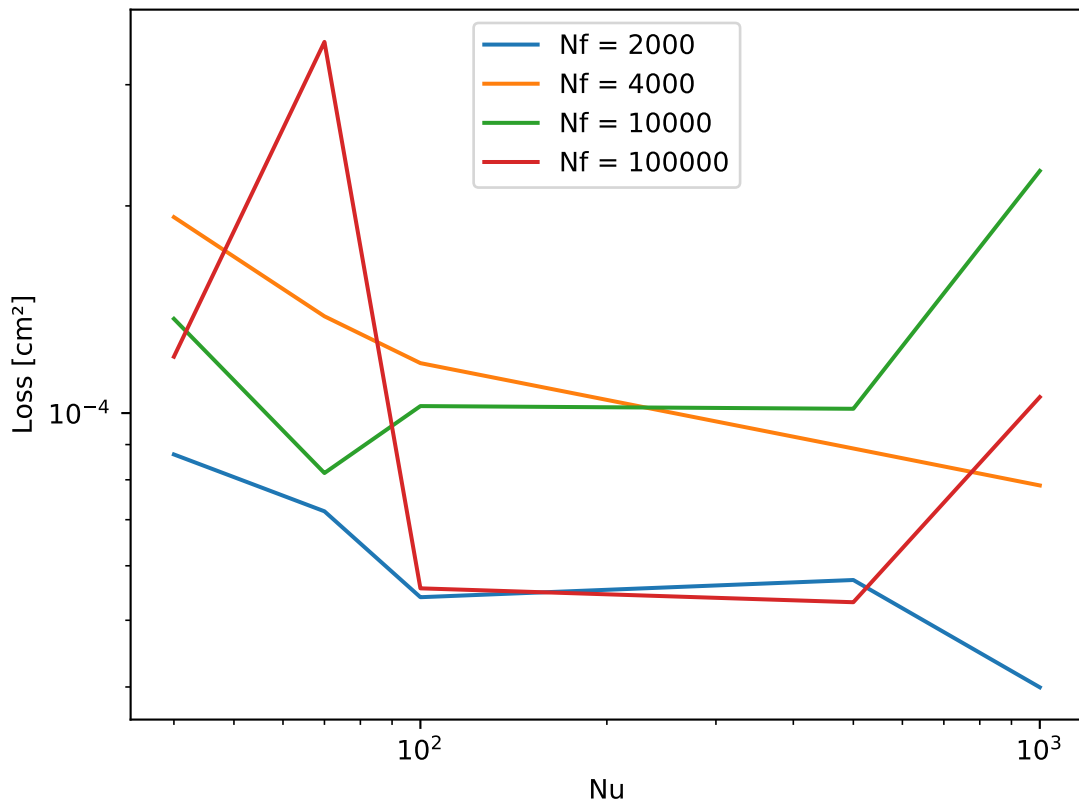L-BFGS iterations -> 1000
Neural network's T -> 10s
Neural network's structure -> 2 hidden layers of 10 neurons
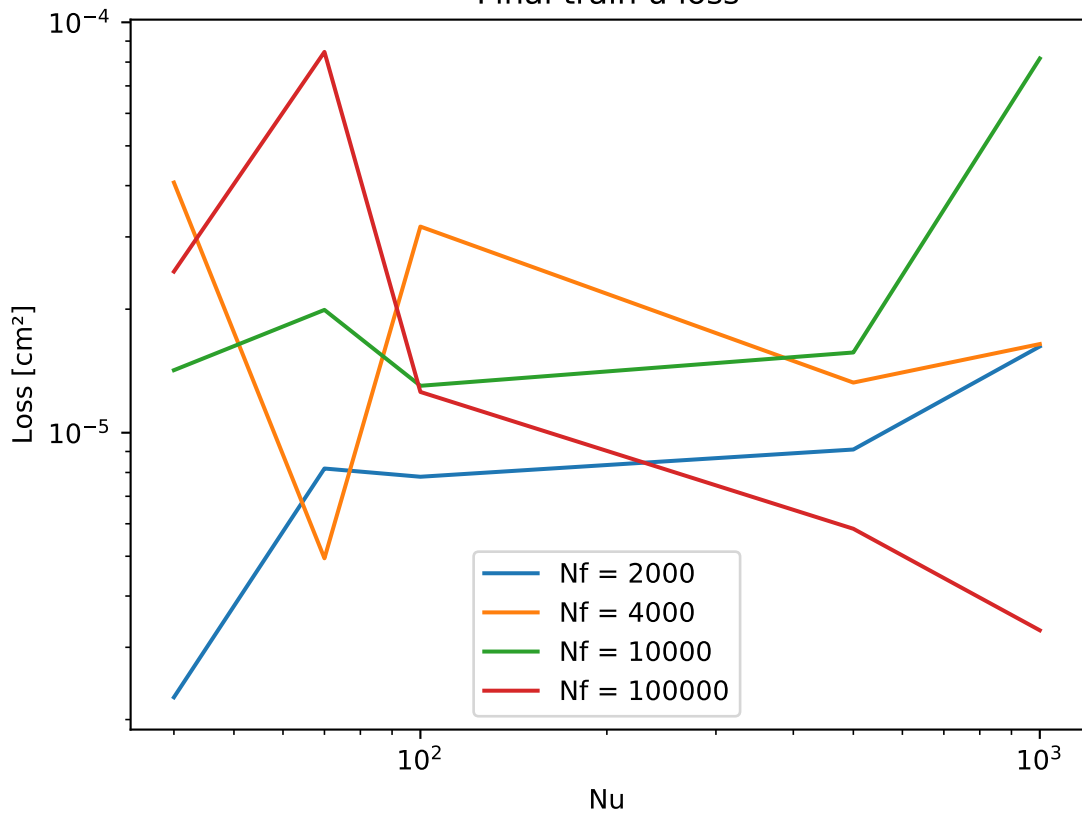Validation points -> 10% of Nf

Final validation loss

Final train total loss

Final train u loss

Final train f loss