

Mathematical Introduction to Deep Neural Networks

Exercise Sheet 9

Exercise 1. *Exercise 3.3.1 from the lecture notes.*

Exercise 2. *Exercise 3.3.2 from the lecture notes.*

Exercise 3. *Proof of Lemma 4.2.3 from the lecture notes.*

Exercise 4. *Proof of Corollary 4.4.4 from the lecture notes.*