
homework sheet 03

Andre Seitz
03622870
andre.seitz@mytum.de

Linda Leidig
03608416
linda.leidig@tum.de

1 Assignment: Basic Probability

Problem 1

Problem 2

Problem 3

Problem 4

2 Assignment: Probability Inequalities

2.1 Markov Inequality

Problem 5

2.2 Chebyshev Inequality

Problem 6

2.3 Jensen's Inequality

Problem 7

3 Assignment: a shorter solution to Fermat's last theorem

Assignment 3 is solved, but takes too much space to write down here.