

9 Homework (Numerical Linear Algebra)

The homework is from the textbook:

Page 428: 4,6

Page 451: 1 a) c)

Related to 1) a) c) verify that the matrix $T = -D^{-1}M$ where $A = D + M$ (is the decomposition of A in diagonal and off diagonal components) has norm $\|T\|_{\infty} < 1$.