Supplemental Material For 05/02 Book Reading Seminar

Hiroki Hamaguchi

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Abstract

This is the supplemental material for the book reading seminar on 2024-05-02.
Please refer to the textbook and the whiteboard for the main content.
If necessary, please also refer to here.

Example 1.3.4

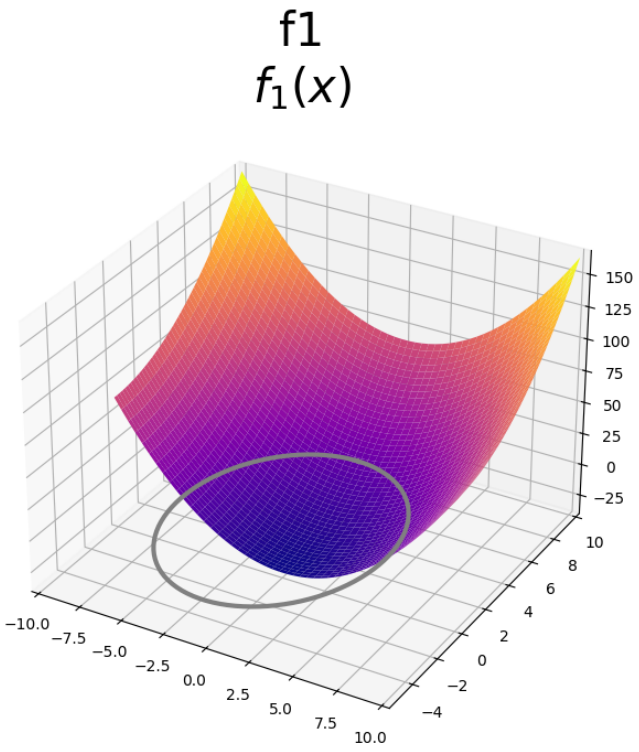

Figure 1

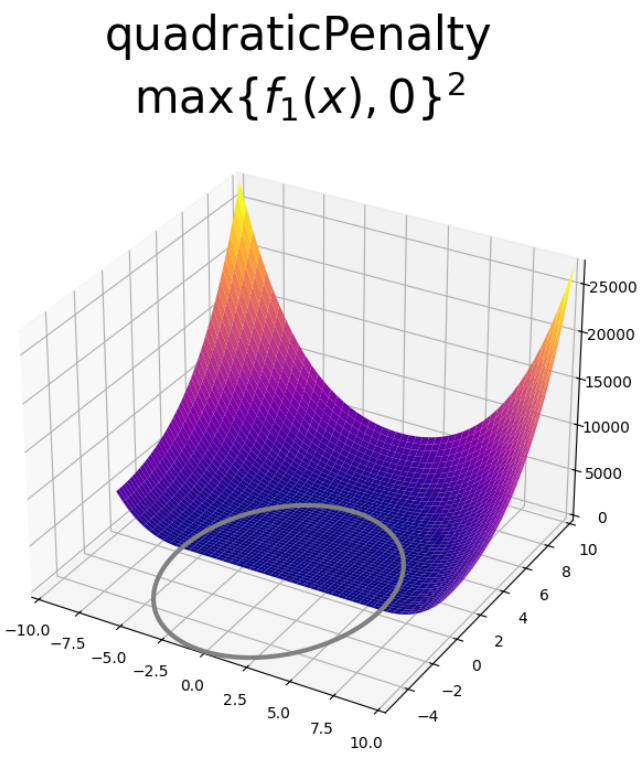

Figure 2

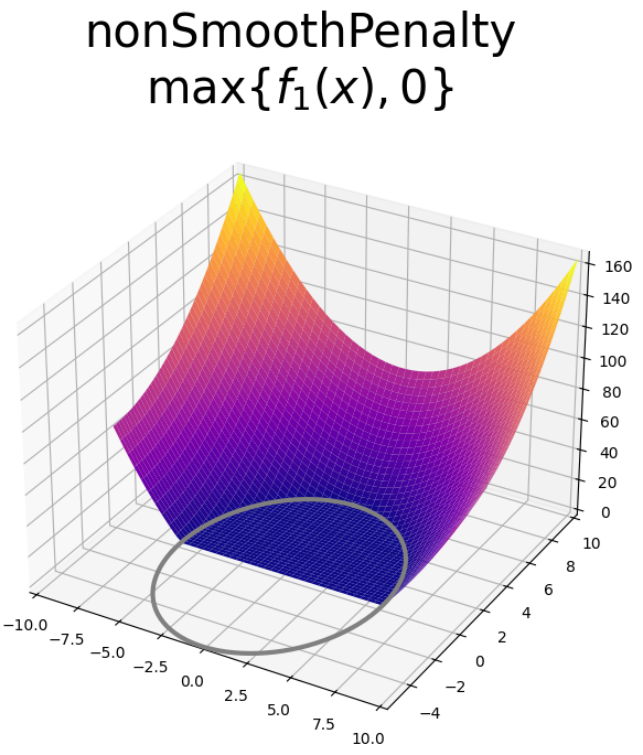

Figure 3

powerFunctionBarrier_withP2
$1/(-f_1(x))^2$

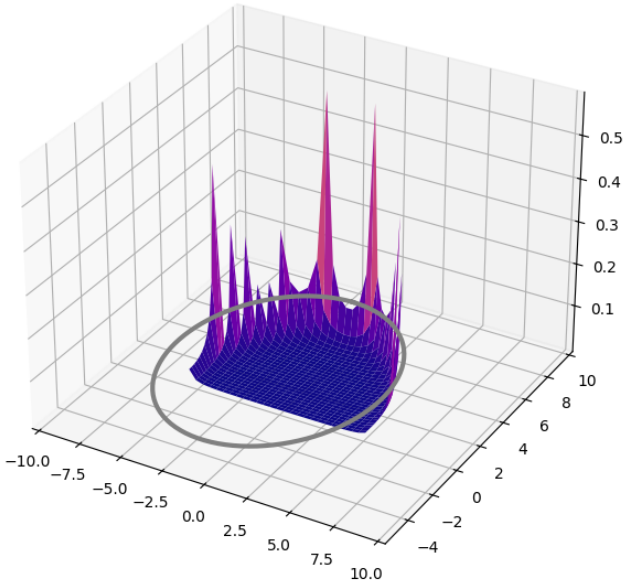

Figure 4

logarithmicBarrier
$-\log(-f_1(x))$

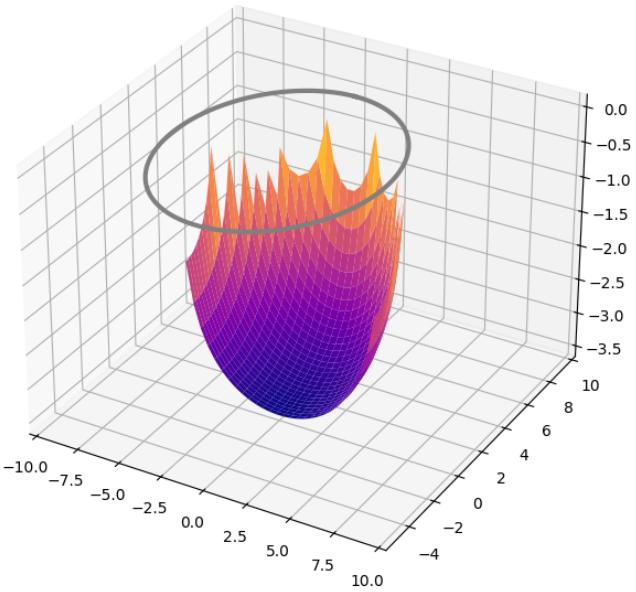

Figure 5

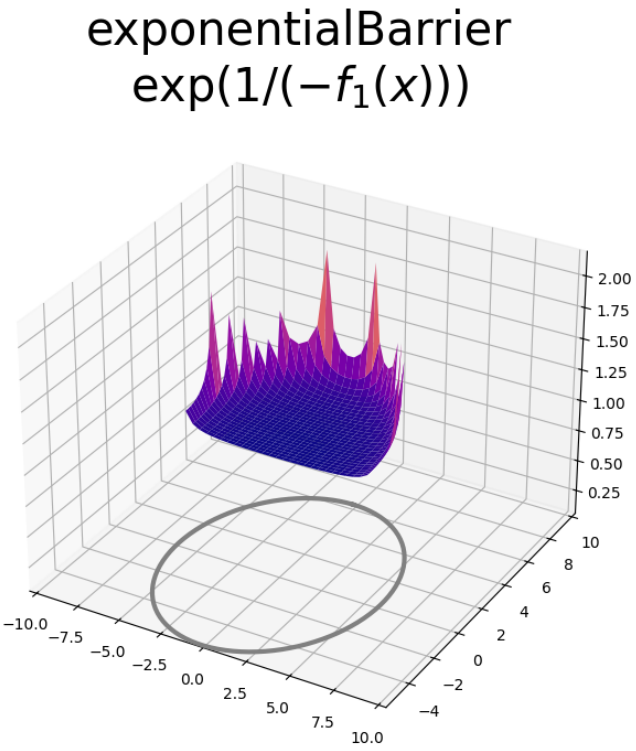

Figure 6

Theorem 1.3.4

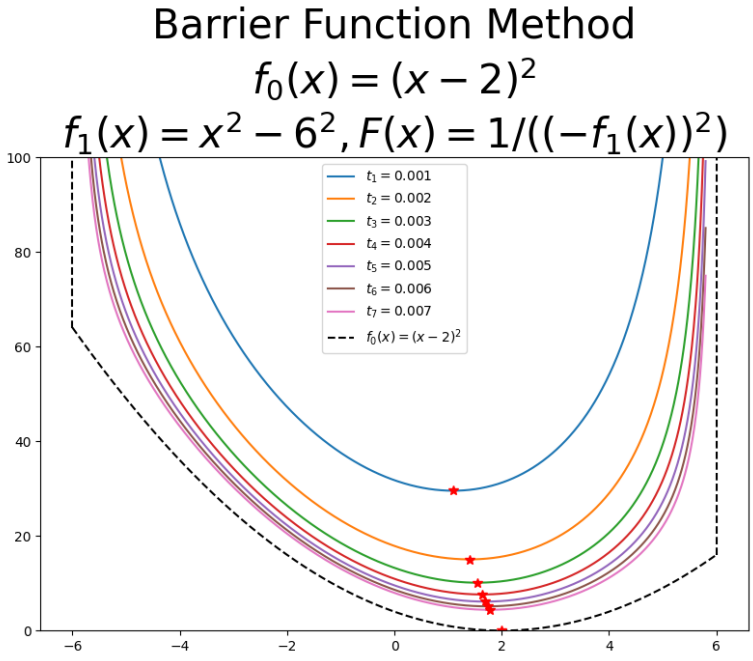

Figure 7

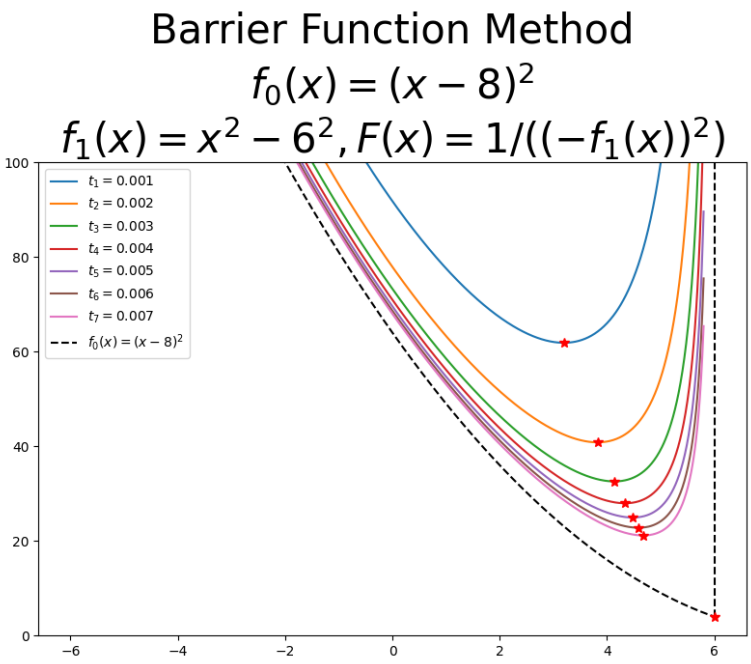

Figure 8

Convex

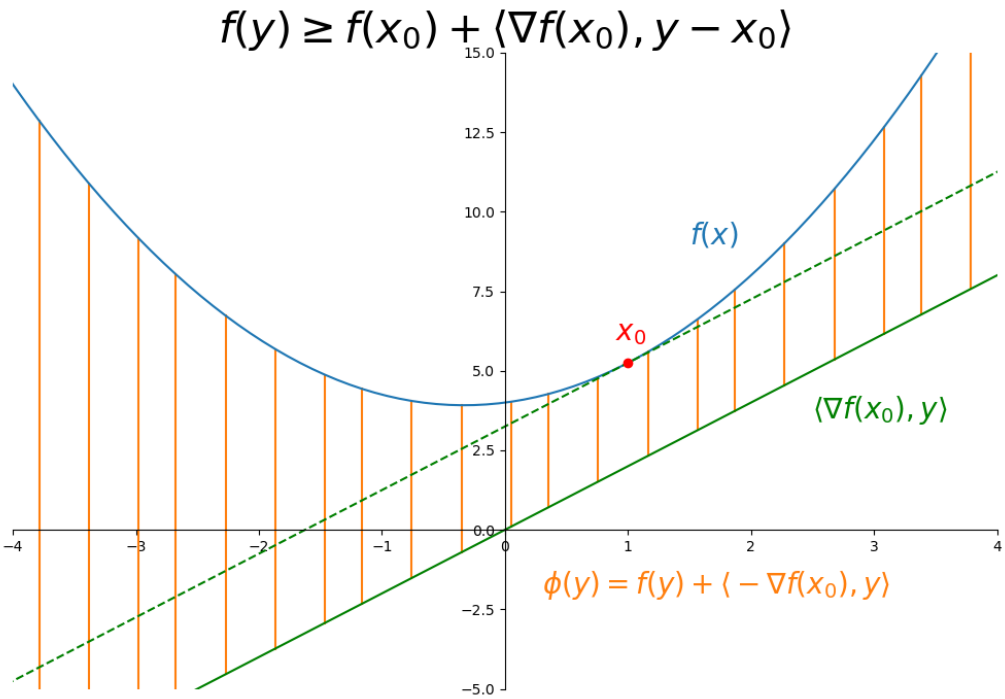

Figure 9

Theorem 2.1.3

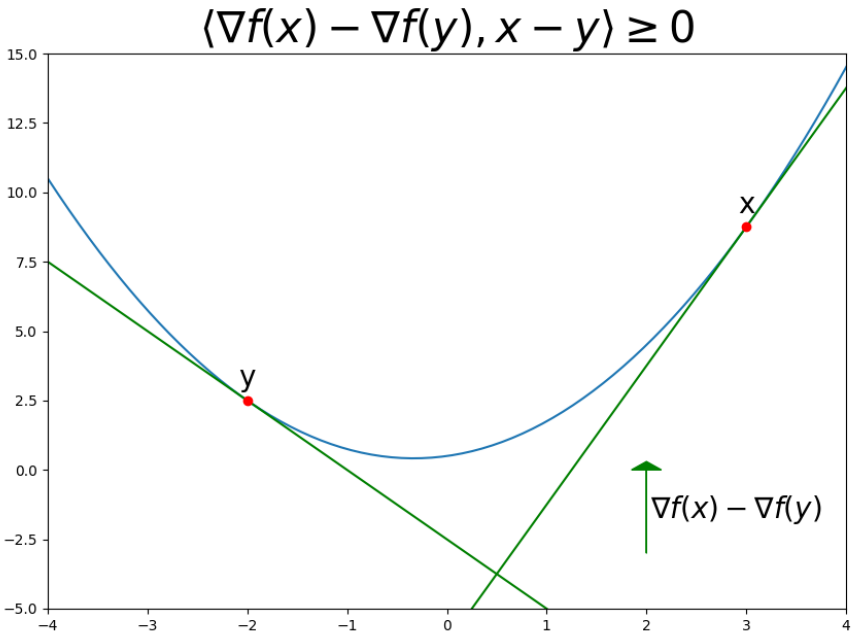

Figure 10

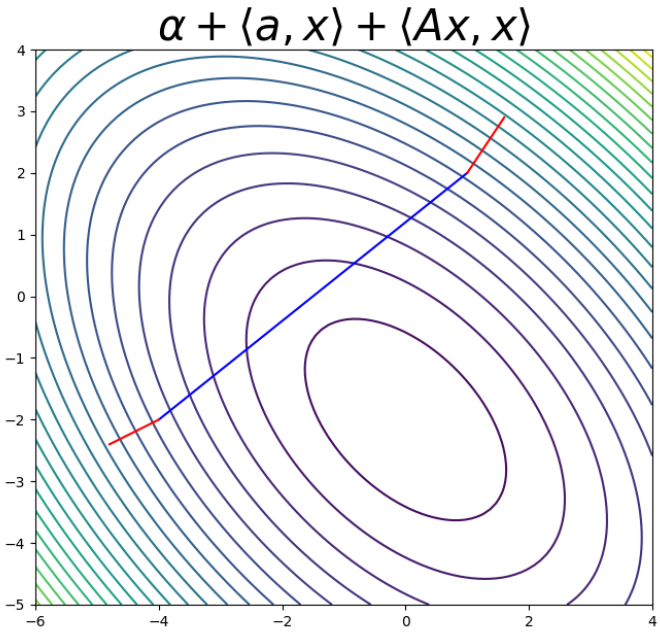

Figure 11

Example 2.1.1

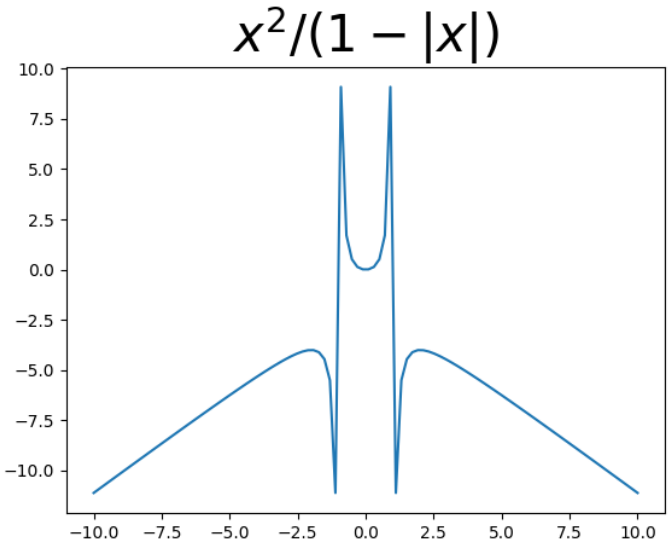

Figure 12

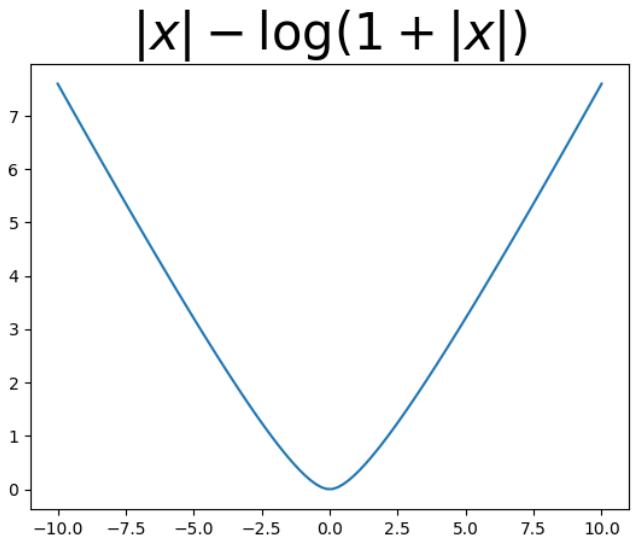

Figure 13

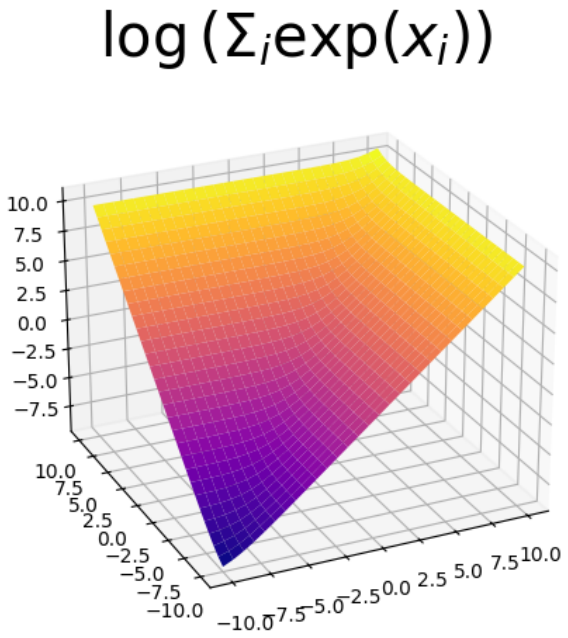

Figure 14

Dual Norm

$$||g||_* = \max_{x \in \mathbb{R}^n} \{\langle g, x \rangle : ||x||_A \leq 1\}$$

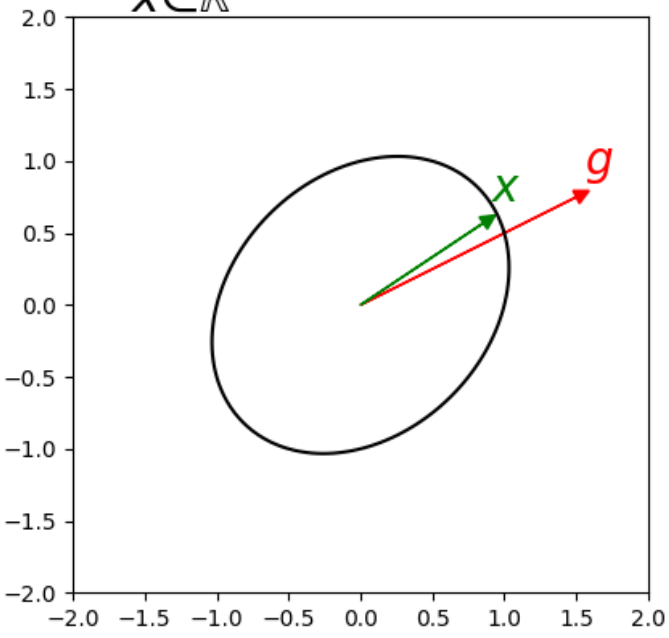

Figure 15

Theorem 2.1.5

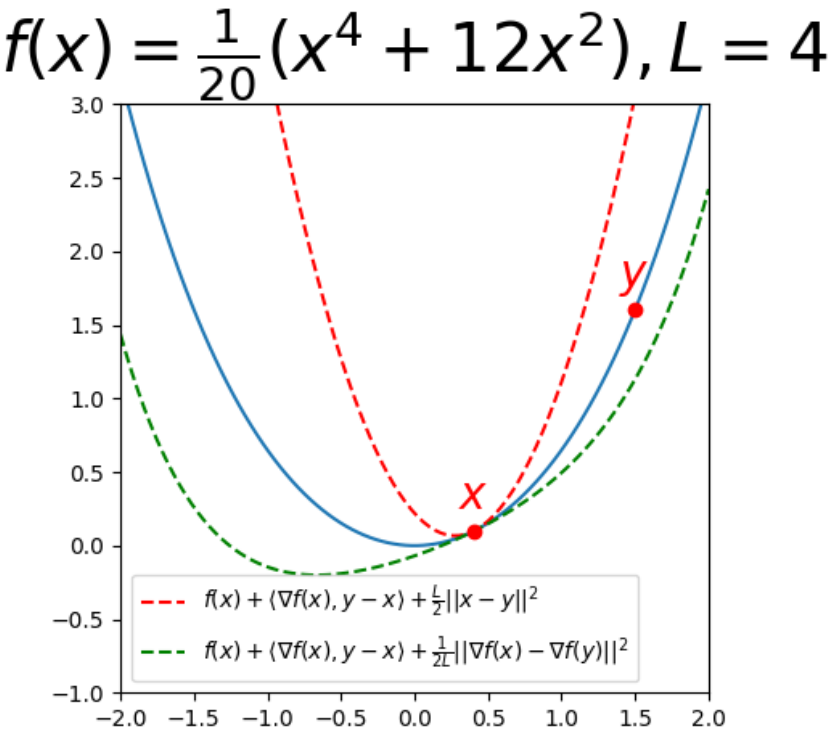

Figure 16

Section 2.1.2

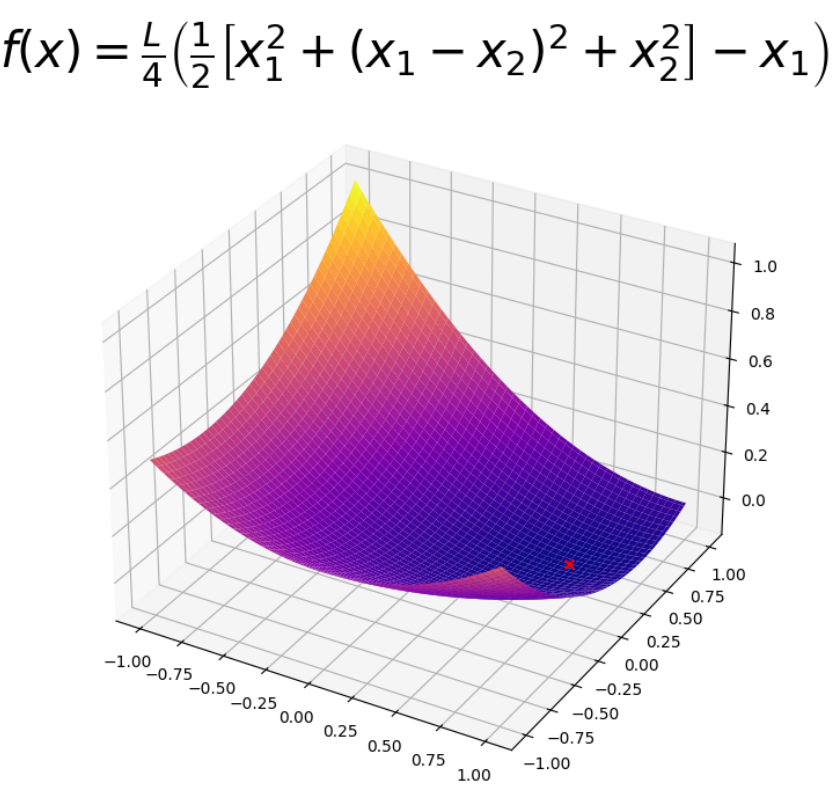

Figure 17

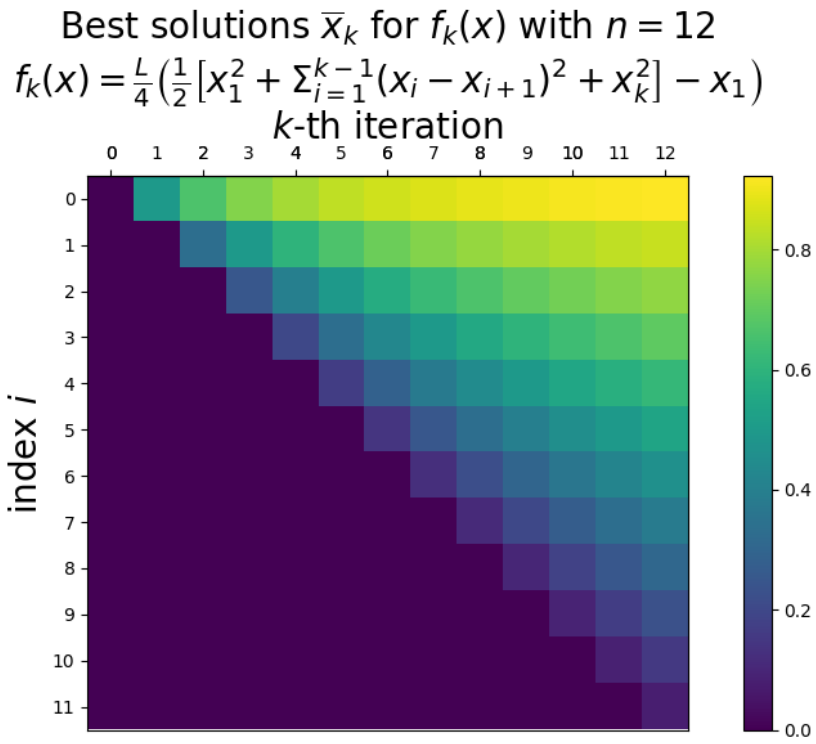

Figure 18

Example 2.1.2

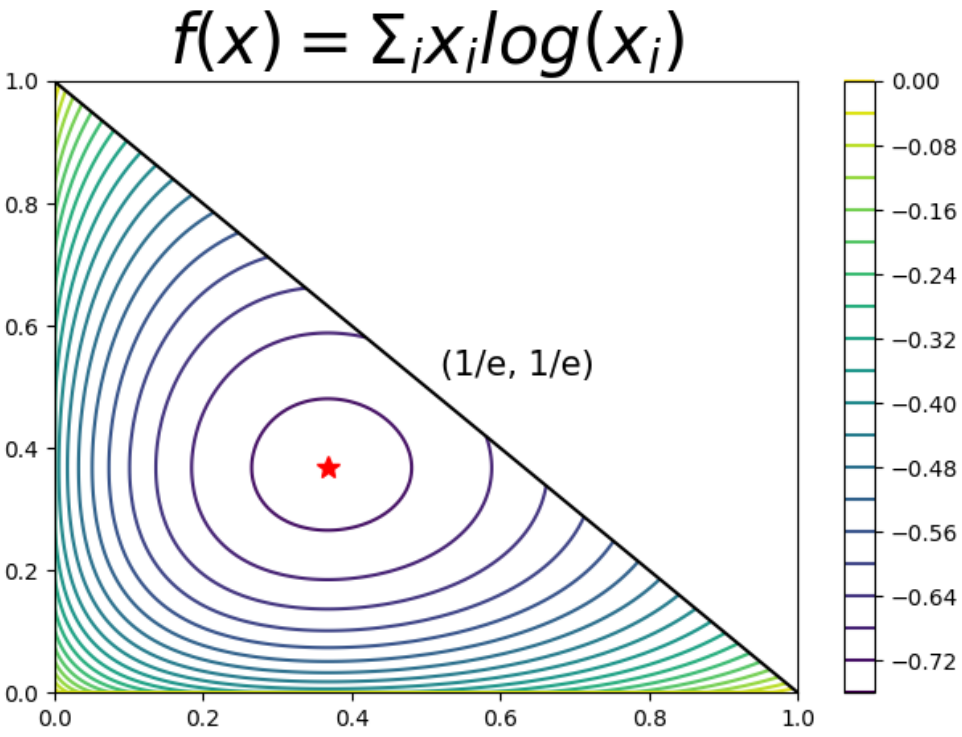

Figure 19

1 Section 2.1.4

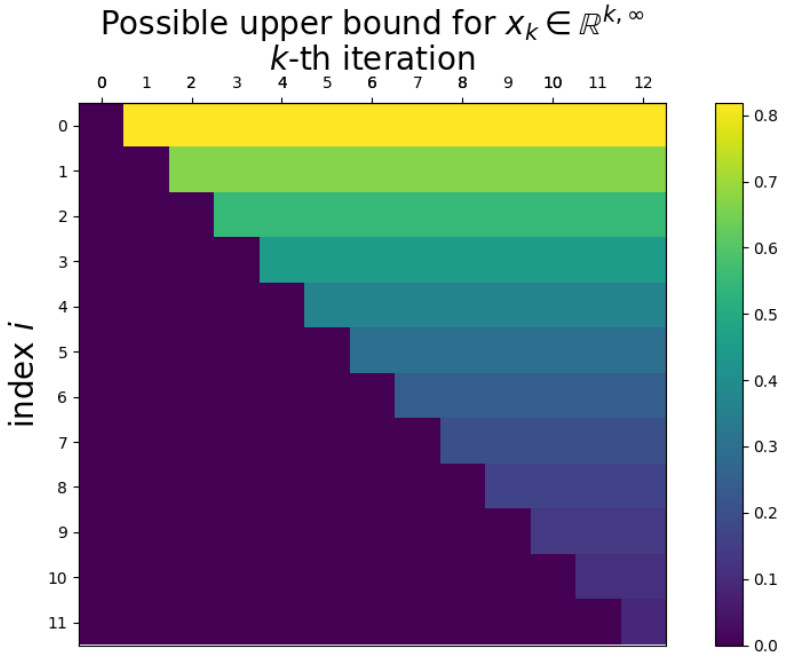

Figure 20