Homework 3: Conjugate Gradient

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Overview

2.1

2.2

N	time	num iter
8	0.473622	215
16	5.400590	578
32	14.646607	1433
64	90.696336	2622
128	391.807310	1526

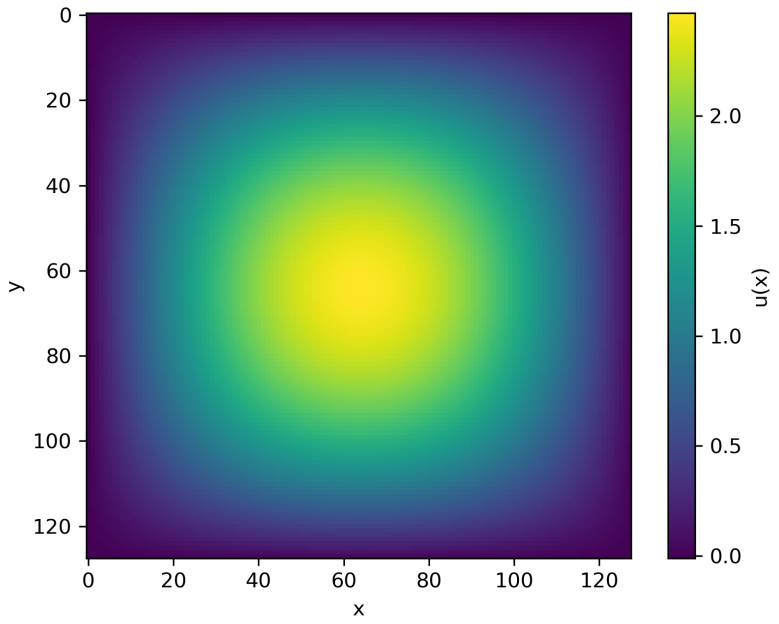

Figure 1:

2.3

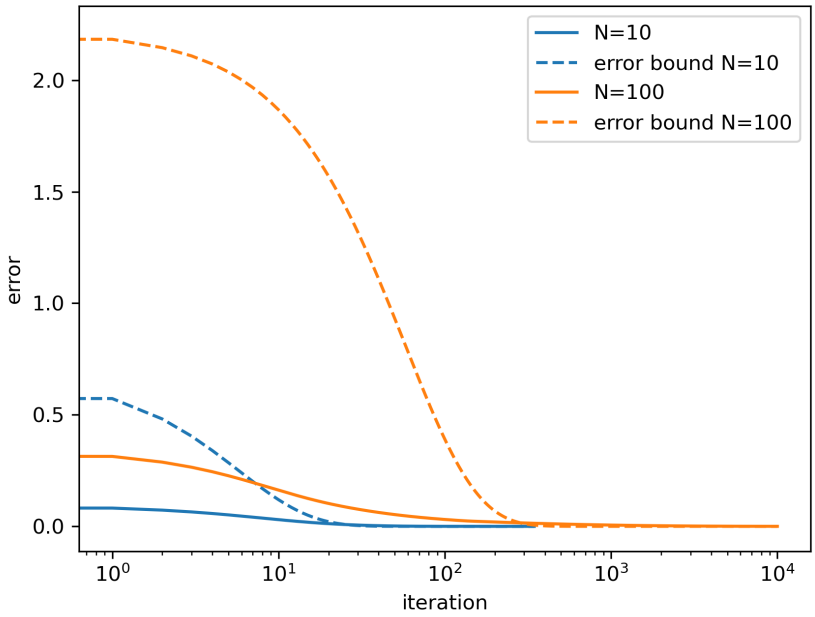
N=10
error bound N=10
N=100
error bound N=100
2.0
1.5
1.0
0.5
0.0
error
10^0
10^1
10^2
10^3
10^4
iteration

Figure 2: