Министерство науки и высшего образования Российской Федерации
Федеральное государственное бюджетное образовательное учреждение высшего образования
«Российский химико-технологический университет имени Д.И. Менделеева»

ОТЧЕТ ПО ЛАБОРАТОРНОЙ РАБОТЕ №1

Вариант 22

Выполнил студент группы КС-36: Золотухин А.А.
Ссылка на репозиторий: https://github.com/CorgiPuppy/num-methods-eq-math-phys-chem-labs
Принял: Лебедев Данила Александрович
Дата сдачи: 04.04.2025

Москва
2025

Оглавление

Описание задачи

Вариант	Уравнение	Интервалы переменных	Начальные и граничные условия
22	$\frac{\partial u}{\partial t} = \frac{\partial^2 u}{\partial x^2}$	$x \in [0, 1]$ $t \in [0, 1]$	$u(t = 0, x) = e^x$ $u(t, x = 0) = e^t$ $u(t, x = 1) = e^{t+1}$

Для заданного уравнения:

1. записать явную разностную схему;
2. определить порядок аппроксимации разностной схемы;
3. получить условие устойчивости разностной схемы на шаг (с помощью метода гармоник);
4. вывести рекуррентное соотношение;
5. составить алгоритм (блок-схему) расчёта;
6. построить программу на любом удобном языке программирования;
7. провести численный расчёт с использованием различных значений $\Delta t(0.1, 0.01, 0.001)$, $h = 0.1$;
8. составить отчёт о проделанной работе.

Выполнение задачи

Задание 1

Записать явную разностную схему:

$$\frac{u_j^{n+1} - u_j^n}{\Delta t} = \frac{u_{j+1}^n - 2u_j^n + u_{j-1}^n}{h^2}. \tag{1}$$

В записанной разностной схеме (1) аппроксимация второй производной функции $u(t, x)$ по координате рассматривается на n-м шаге по времени, т.е. относительно точки t^n, для которой рассматривается аппроксимация всего уравнения. Такая разностная схема называется **явной**.

Задание 2

Определить порядок аппроксимации разностной схемы (1):

Для этого запишу разложение значений u_j^{n+1}, u_{j+1}^n, u_{j-1}^n в ряд Тейлора относительно точки (t^n, x_j) на разностной сетке:

$$u_j^{n+1} = u_j^n + \left.\frac{\partial u}{\partial t}\right|_j^n \Delta t + \frac{1}{2!}\left.\frac{\partial^2 u}{\partial t^2}\right|_j^n (\Delta t)^2 + \frac{1}{3!}\left.\frac{\partial^3 u}{\partial t^3}\right|_j^n (\Delta t)^3 + \dots, \tag{2}$$

$$u_{j+1}^n = u_j^n + \left.\frac{\partial u}{\partial x}\right|_j^n h + \frac{1}{2!}\left.\frac{\partial^2 u}{\partial x^2}\right|_j^n h^2 + \frac{1}{3!}\left.\frac{\partial^3 u}{\partial x^3}\right|_j^n h^3 + \frac{1}{4!}\left.\frac{\partial^4 u}{\partial x^4}\right|_j^n h^4 + \dots, \tag{3}$$

$$u_{j-1}^n = u_j^n - \left.\frac{\partial u}{\partial x}\right|_j^n h + \frac{1}{2!}\left.\frac{\partial^2 u}{\partial x^2}\right|_j^n h^2 - \frac{1}{3!}\left.\frac{\partial^3 u}{\partial x^3}\right|_j^n h^3 + \frac{1}{4!}\left.\frac{\partial^4 u}{\partial x^4}\right|_j^n h^4 - \dots. \tag{4}$$

Подставляя зависимости (2)-(4) в разностную схему (1), получаем:

$$\left.\frac{\partial u}{\partial t}\right|_j^n + \frac{1}{2}\left.\frac{\partial^2 u}{\partial t^2}\right|_j^n \Delta t + \frac{1}{6}\left.\frac{\partial^3 u}{\partial t^3}\right|_j^n (\Delta t)^2 = \left.\frac{\partial^2 u}{\partial x^2}\right|_j^n + \frac{1}{12}\left.\frac{\partial^4 u}{\partial x^4}\right|_j^n h^2.$$

$$\Rightarrow \left.\frac{\partial u}{\partial t}\right|_j^n + O(\Delta t) = \left.\frac{\partial^2 u}{\partial x^2}\right|_j^n + O(h^2).$$

Таким образом, явная разностная схема (1) аппроксимирует исходное дифференциальное уравнение с первым порядком по времени и со вторым порядком по координате, что записывается в следующем виде:

$$O(\Delta t) + O(h^2) \text{ или } O(\Delta t, h^2).$$

Задание 3

Получить условие устойчивости разностной схемы на шаг (с помощью метода гармоник):

Представлю решение разностной схемы в виде гармоники:

$$u_j^n = \lambda^n e^{i\alpha j}. \tag{5}$$

Подставляя (5) в разностную схему (1), получаю:

$$\frac{\lambda^{n+1}e^{i\alpha j} - \lambda^n e^{i\alpha j}}{\Delta t} = \frac{\lambda^n e^{i\alpha(j+1)} - 2\lambda^n e^{i\alpha j} + \lambda^n e^{i\alpha(j-1)}}{h^2}.$$

Упрощаю полученное выражение, деля левую и правую его части на $\lambda^n e^{i\alpha j}$:

$$\frac{\lambda - 1}{\Delta t} = \frac{e^{i\alpha} - 2 + e^{-i\alpha}}{h^2}.$$

Преобразую комплексные числа из экспоненциальной формы в тригонометрическую:

$$e^{\pm i\alpha} = \cos\alpha \pm i\sin\alpha \Rightarrow \frac{\lambda - 1}{\Delta t} = \frac{2\cos\alpha - 2}{h^2}.$$

Используя тригонометрические тождества

$$\cos\alpha = \cos^2\frac{\alpha}{2} - \sin^2\frac{\alpha}{2} = 1 - 2\sin^2\frac{\alpha}{2},$$

получаю формулу, из которой затем выражаю λ:

$$\frac{\lambda - 1}{\Delta t} = \frac{-4\sin^2\frac{\alpha}{2}}{h^2} \Rightarrow \lambda = 1 - \frac{4\Delta t}{h^2}\sin^2\frac{\alpha}{2}.$$

С учётом необходимого условия устойчивости разностных схем $|\lambda| \leq 1$ имею:

$$-1 \leq 1 - \frac{4\Delta t}{h^2}\sin^2\frac{\alpha}{2} \leq 1.$$

В полученном двойном неравенстве правое условие выполняется автоматически. Поэтому рассмотрю более подробно левое условие:

$$1 - \frac{4\Delta t}{h^2}\sin^2\frac{\alpha}{2} \geq -1 \Rightarrow \frac{\Delta t}{h^2}\sin^2\frac{\alpha}{2} \leq \frac{1}{2}.$$

Задавая для $\sin^2\frac{\alpha}{2}$ максимально возможное значение, равное 1, перехожу к более строгому условию, справедливому для любого α:

$$\frac{\Delta t}{h^2}\sin^2\frac{\alpha}{2} \leq \frac{1}{2} \Rightarrow \frac{\Delta t}{h^2} \leq \frac{1}{2}. \tag{6}$$

Выражение (6) является условием устойчивости явной разностной схемы, аппроксимирующей одномерное дифференциальное уравнение параболического типа. Такие

разностные схемы, устойчивость которых зависит от какого-либо условия, ограничивающего выбор интервала деления на разностной сетке, называют **условно устойчивыми**.

При $h = 10^{-1}$:

$$\Delta t \leq \frac{(10^{-1})^2}{2} \Rightarrow \Delta t \leq 5 \cdot 10^{-3}.$$

Задание 4

Вывести рекуррентное соотношение:

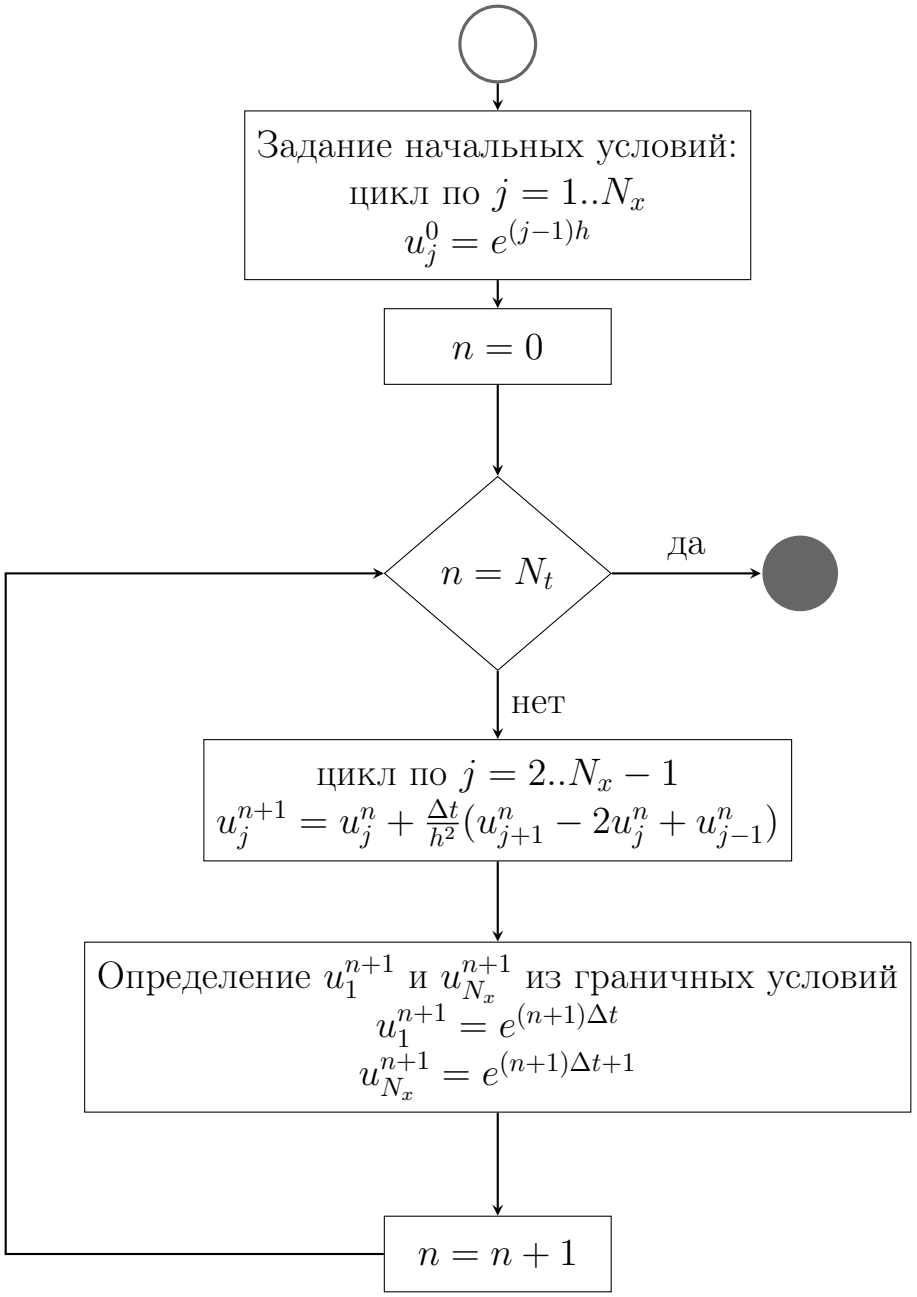
Выражаю из разностной схемы (1) величину u_j^{n+1}:

$$u_j^{n+1} = u_j^n + \frac{\Delta t}{h^2}(u_{j+1}^n - 2u_j^n + u_{j-1}^n). \tag{7}$$

Соотношение типа (7), позволяющее рассчитывать значения искомой функции в узлах разностной сетки через известные значения в других узлах разностной сетки, называют **рекуррентным соотношением**.

Задание 5

Составить алгоритм (блок-схему) расчёта:



Задание 6

Построить программу на любом удобном языке программирования:

```cpp
#include <iostream>
#include <cmath>
#include <fstream>
#include <iomanip>

#include "../include/Constants.h"

int main() {
  int N_x = 1 + (Constants::x_end - Constants::x_start) / Constants::h;
  int N_t[Constants::amount_of_delta_t] = {0};
  for (int i = 0; i < Constants::amount_of_delta_t; i++) {
    N_t[i] = 1 + (Constants::t_end - Constants::t_start) / Constants::delta_t[i];
  }
```

```
14
15  for (int i = 0; i < Constants::amount_of_delta_t; i++) {
16    double** u = new double*[N_t[i]];
17    for (int n = 0; n < N_t[i]; n++) {
18        u[n] = new double[N_x] {0.0};
19    }
20
21    for (int j = 0; j <= N_x - 1; j++) {
22      u[0][j] = std::exp(j * Constants::h);
23    }
24
25    int n = 0;
26    while (!(n == (N_t[i] - 1))) {
27      for (int j = 1; j <= N_x - 2; j++)
28        u[n + 1][j] = u[n][j] + (Constants::delta_t[i]) / (std::pow(Constants::h, 2))
    * (u[n][j + 1] - 2 * u[n][j] + u[n][j - 1]);
29
30      u[n + 1][0] = std::exp((n + 1) * Constants::delta_t[i]);
31      u[n + 1][N_x - 1] = std::exp((n + 1) * Constants::delta_t[i] + 1);
32
33      n++;
34    }
35
36    std::ofstream csvFile(Constants::csvPath[i]);
37    csvFile << std::fixed << std::setprecision(4);
38
39    csvFile << "t\\x,";
40    for (int j = 0; j <= N_x - 1; j++) {
41      csvFile << j * Constants::h;
42      if (j != (N_x - 1)) csvFile << ",";
43    }
44    csvFile << "\n";
45    for (int n = 0; n < N_t[i]; n++) {
46      double t = n * Constants::delta_t[i];
47      csvFile << t << ",";
48      for (int j = 0; j < N_x; j++) {
49        csvFile << u[n][j];
50        if (j != (N_x - 1)) csvFile << ",";
51      }
52      csvFile << "\n";
53    }
54    csvFile.close();
55
56    std::ofstream plotPath (Constants::plotPath[i]);
57    for (int n = 0; n <= N_t[i] - 1; n++) {
58      double t = n * Constants::delta_t[i];
59      for (int j = 0; j <= N_x - 1; j++) {
60        double x = j * Constants::h;
61        plotPath << t << " " << x << " " << u[n][j] << "\n";
62      }
63      plotPath << "\n";
64    }
65    plotPath.close();
66
67    for (int n = 0; n < N_t[i]; n++) {
68        delete[] u[n];
69    }
70    delete[] u;
71  }
```

```
72
73     return 0;
74 }
```

Задание 7

Провести численный расчёт с использованием различных значений $\Delta t(0.1, 0.01, 0.001)$, $h = 0.1$:

Таблица 1: Результаты

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5
0.0000	1.0000	1.1052	1.2214	1.3499	1.4918	1.6487
0.1000	1.1052	1.2158	1.3436	1.4850	1.6411	1.8137
0.2000	1.2214	1.3883	1.4781	1.6336	1.8054	1.9953
0.3000	1.3499	0.6169	2.1348	1.7971	1.9861	2.1949
0.4000	1.4918	23.1261	-16.4220	7.0645	2.1848	2.4146
0.5000	1.6487	-588.6973	613.9234	-276.5966	53.2791	2.6563
0.6000	1.8221	17340.9713	-20317.4850	11927.3608	-3751.7057	1894.6192
0.7000	2.0138	-532635.0834	678715.5358	-467311.7612	209502.2071	-175536.3330
0.8000	2.2255	16907242.0808	-22895063.6269	17761100.8921	-10409022.8771	10799982.4164
0.9000	2.4596	-550188213.5482	781689638.6399	-670501781.9905	483382267.7508	-555897987.9886
1.0000	2.7183	18270472468.4099	-27059003089.5445	25390252921.7261	-21448260787.0553	25956899202.639

Таблица 3: Результаты для $\Delta t = 0.001$

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.0000	1.0000	1.1052	1.2214	1.3499	1.4918	1.6487	1.8221	2.0138	2.2255	2.4596	2.7183
0.0010	1.0010	1.1063	1.2226	1.3512	1.4933	1.6504	1.8239	2.0158	2.2278	2.4621	2.7210
0.0020	1.0020	1.1074	1.2238	1.3526	1.4948	1.6520	1.8258	2.0178	2.2300	2.4645	2.7237
0.0030	1.0030	1.1085	1.2251	1.3539	1.4963	1.6537	1.8276	2.0198	2.2322	2.4670	2.7264
0.0040	1.0040	1.1096	1.2263	1.3553	1.4978	1.6553	1.8294	2.0218	2.2345	2.4695	2.7292
0.0050	1.0050	1.1107	1.2275	1.3566	1.4993	1.6570	1.8313	2.0239	2.2367	2.4719	2.7319
0.0060	1.0060	1.1118	1.2288	1.3580	1.5008	1.6586	1.8331	2.0259	2.2389	2.4744	2.7346
0.0070	1.0070	1.1129	1.2300	1.3593	1.5023	1.6603	1.8349	2.0279	2.2412	2.4769	2.7374
0.0080	1.0080	1.1141	1.2312	1.3607	1.5038	1.6620	1.8368	2.0299	2.2434	2.4794	2.7401
0.0090	1.0090	1.1152	1.2324	1.3621	1.5053	1.6636	1.8386	2.0320	2.2457	2.4818	2.7429
0.0100	1.0101	1.1163	1.2337	1.3634	1.5068	1.6653	1.8404	2.0340	2.2479	2.4843	2.7456
0.0110	1.0111	1.1174	1.2349	1.3648	1.5083	1.6670	1.8423	2.0360	2.2502	2.4868	2.7483
0.0120	1.0121	1.1185	1.2362	1.3662	1.5098	1.6686	1.8441	2.0381	2.2524	2.4893	2.7511
0.0130	1.0131	1.1196	1.2374	1.3675	1.5114	1.6703	1.8460	2.0401	2.2547	2.4918	2.7539
0.0140	1.0141	1.1208	1.2386	1.3689	1.5129	1.6720	1.8478	2.0422	2.2569	2.4943	2.7566
0.0150	1.0151	1.1219	1.2399	1.3703	1.5144	1.6736	1.8497	2.0442	2.2592	2.4968	2.7594
0.0160	1.0161	1.1230	1.2411	1.3716	1.5159	1.6753	1.8515	2.0462	2.2614	2.4993	2.7621
0.0170	1.0171	1.1241	1.2424	1.3730	1.5174	1.6770	1.8534	2.0483	2.2637	2.5018	2.7649
0.0180	1.0182	1.1252	1.2436	1.3744	1.5189	1.6787	1.8552	2.0503	2.2660	2.5043	2.7677
0.0190	1.0192	1.1264	1.2448	1.3758	1.5204	1.6804	1.8571	2.0524	2.2682	2.5068	2.7704
0.0200	1.0202	1.1275	1.2461	1.3771	1.5220	1.6820	1.8589	2.0544	2.2705	2.5093	2.7732
0.0210	1.0212	1.1286	1.2473	1.3785	1.5235	1.6837	1.8608	2.0565	2.2728	2.5118	2.7760

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.0220	1.0222	1.1298	1.2486	1.3799	1.5250	1.6854	1.8627	2.0586	2.2751	2.5143	2.7787
0.0230	1.0233	1.1309	1.2498	1.3813	1.5265	1.6871	1.8645	2.0606	2.2773	2.5168	2.7815
0.0240	1.0243	1.1320	1.2511	1.3827	1.5281	1.6888	1.8664	2.0627	2.2796	2.5194	2.7843
0.0250	1.0253	1.1332	1.2523	1.3840	1.5296	1.6905	1.8683	2.0647	2.2819	2.5219	2.7871
0.0260	1.0263	1.1343	1.2536	1.3854	1.5311	1.6922	1.8701	2.0668	2.2842	2.5244	2.7899
0.0270	1.0274	1.1354	1.2548	1.3868	1.5327	1.6939	1.8720	2.0689	2.2865	2.5269	2.7927
0.0280	1.0284	1.1366	1.2561	1.3882	1.5342	1.6956	1.8739	2.0710	2.2888	2.5295	2.7955
0.0290	1.0294	1.1377	1.2574	1.3896	1.5357	1.6973	1.8758	2.0730	2.2910	2.5320	2.7983
0.0300	1.0305	1.1388	1.2586	1.3910	1.5373	1.6989	1.8776	2.0751	2.2933	2.5345	2.8011
0.0310	1.0315	1.1400	1.2599	1.3924	1.5388	1.7006	1.8795	2.0772	2.2956	2.5371	2.8039
0.0320	1.0325	1.1411	1.2611	1.3938	1.5404	1.7024	1.8814	2.0793	2.2979	2.5396	2.8067
0.0330	1.0336	1.1423	1.2624	1.3952	1.5419	1.7041	1.8833	2.0813	2.3002	2.5421	2.8095
0.0340	1.0346	1.1434	1.2637	1.3966	1.5434	1.7058	1.8852	2.0834	2.3025	2.5447	2.8123
0.0350	1.0356	1.1445	1.2649	1.3980	1.5450	1.7075	1.8870	2.0855	2.3048	2.5472	2.8151
0.0360	1.0367	1.1457	1.2662	1.3994	1.5465	1.7092	1.8889	2.0876	2.3071	2.5498	2.8179
0.0370	1.0377	1.1468	1.2675	1.4008	1.5481	1.7109	1.8908	2.0897	2.3094	2.5523	2.8207
0.0380	1.0387	1.1480	1.2687	1.4022	1.5496	1.7126	1.8927	2.0918	2.3118	2.5549	2.8236
0.0390	1.0398	1.1491	1.2700	1.4036	1.5512	1.7143	1.8946	2.0939	2.3141	2.5574	2.8264
0.0400	1.0408	1.1503	1.2713	1.4050	1.5527	1.7160	1.8965	2.0960	2.3164	2.5600	2.8292
0.0410	1.0419	1.1514	1.2725	1.4064	1.5543	1.7177	1.8984	2.0981	2.3187	2.5626	2.8320
0.0420	1.0429	1.1526	1.2738	1.4078	1.5558	1.7195	1.9003	2.1002	2.3210	2.5651	2.8349
0.0430	1.0439	1.1537	1.2751	1.4092	1.5574	1.7212	1.9022	2.1023	2.3233	2.5677	2.8377
0.0440	1.0450	1.1549	1.2764	1.4106	1.5590	1.7229	1.9041	2.1044	2.3257	2.5703	2.8406
0.0450	1.0460	1.1560	1.2776	1.4120	1.5605	1.7246	1.9060	2.1065	2.3280	2.5728	2.8434
0.0460	1.0471	1.1572	1.2789	1.4134	1.5621	1.7264	1.9079	2.1086	2.3303	2.5754	2.8462
0.0470	1.0481	1.1584	1.2802	1.4148	1.5636	1.7281	1.9098	2.1107	2.3327	2.5780	2.8491
0.0480	1.0492	1.1595	1.2815	1.4163	1.5652	1.7298	1.9117	2.1128	2.3350	2.5806	2.8519
0.0490	1.0502	1.1607	1.2828	1.4177	1.5668	1.7315	1.9137	2.1149	2.3373	2.5831	2.8548
0.0500	1.0513	1.1618	1.2840	1.4191	1.5683	1.7333	1.9156	2.1170	2.3397	2.5857	2.8577
0.0510	1.0523	1.1630	1.2853	1.4205	1.5699	1.7350	1.9175	2.1191	2.3420	2.5883	2.8605
0.0520	1.0534	1.1642	1.2866	1.4219	1.5715	1.7368	1.9194	2.1213	2.3444	2.5909	2.8634
0.0530	1.0544	1.1653	1.2879	1.4234	1.5730	1.7385	1.9213	2.1234	2.3467	2.5935	2.8662
0.0540	1.0555	1.1665	1.2892	1.4248	1.5746	1.7402	1.9232	2.1255	2.3490	2.5961	2.8691
0.0550	1.0565	1.1677	1.2905	1.4262	1.5762	1.7420	1.9252	2.1276	2.3514	2.5987	2.8720
0.0560	1.0576	1.1688	1.2918	1.4276	1.5778	1.7437	1.9271	2.1298	2.3538	2.6013	2.8748
0.0570	1.0587	1.1700	1.2931	1.4291	1.5794	1.7455	1.9290	2.1319	2.3561	2.6039	2.8777
0.0580	1.0597	1.1712	1.2944	1.4305	1.5809	1.7472	1.9310	2.1340	2.3585	2.6065	2.8806
0.0590	1.0608	1.1723	1.2957	1.4319	1.5825	1.7490	1.9329	2.1362	2.3608	2.6091	2.8835
0.0600	1.0618	1.1735	1.2969	1.4334	1.5841	1.7507	1.9348	2.1383	2.3632	2.6117	2.8864
0.0610	1.0629	1.1747	1.2982	1.4348	1.5857	1.7525	1.9368	2.1404	2.3656	2.6143	2.8893
0.0620	1.0640	1.1759	1.2995	1.4362	1.5873	1.7542	1.9387	2.1426	2.3679	2.6169	2.8921
0.0630	1.0650	1.1770	1.3008	1.4377	1.5889	1.7560	1.9406	2.1447	2.3703	2.6196	2.8950
0.0640	1.0661	1.1782	1.3021	1.4391	1.5905	1.7577	1.9426	2.1469	2.3727	2.6222	2.8979
0.0650	1.0672	1.1794	1.3035	1.4405	1.5920	1.7595	1.9445	2.1490	2.3750	2.6248	2.9008
0.0660	1.0682	1.1806	1.3048	1.4420	1.5936	1.7612	1.9465	2.1512	2.3774	2.6274	2.9037
0.0670	1.0693	1.1818	1.3061	1.4434	1.5952	1.7630	1.9484	2.1533	2.3798	2.6301	2.9066
0.0680	1.0704	1.1829	1.3074	1.4449	1.5968	1.7648	1.9504	2.1555	2.3822	2.6327	2.9096
0.0690	1.0714	1.1841	1.3087	1.4463	1.5984	1.7665	1.9523	2.1576	2.3846	2.6353	2.9125
0.0700	1.0725	1.1853	1.3100	1.4478	1.6000	1.7683	1.9543	2.1598	2.3869	2.6380	2.9154
0.0710	1.0736	1.1865	1.3113	1.4492	1.6016	1.7701	1.9562	2.1620	2.3893	2.6406	2.9183
0.0720	1.0747	1.1877	1.3126	1.4507	1.6032	1.7718	1.9582	2.1641	2.3917	2.6432	2.9212

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.0730	1.0757	1.1889	1.3139	1.4521	1.6048	1.7736	1.9601	2.1663	2.3941	2.6459	2.9241
0.0740	1.0768	1.1901	1.3152	1.4536	1.6064	1.7754	1.9621	2.1685	2.3965	2.6485	2.9271
0.0750	1.0779	1.1913	1.3166	1.4550	1.6080	1.7772	1.9641	2.1706	2.3989	2.6512	2.9300
0.0760	1.0790	1.1925	1.3179	1.4565	1.6097	1.7789	1.9660	2.1728	2.4013	2.6538	2.9329
0.0770	1.0800	1.1936	1.3192	1.4579	1.6113	1.7807	1.9680	2.1750	2.4037	2.6565	2.9359
0.0780	1.0811	1.1948	1.3205	1.4594	1.6129	1.7825	1.9700	2.1772	2.4061	2.6592	2.9388
0.0790	1.0822	1.1960	1.3218	1.4609	1.6145	1.7843	1.9719	2.1793	2.4085	2.6618	2.9417
0.0800	1.0833	1.1972	1.3232	1.4623	1.6161	1.7861	1.9739	2.1815	2.4109	2.6645	2.9447
0.0810	1.0844	1.1984	1.3245	1.4638	1.6177	1.7879	1.9759	2.1837	2.4133	2.6671	2.9476
0.0820	1.0855	1.1996	1.3258	1.4652	1.6193	1.7897	1.9779	2.1859	2.4158	2.6698	2.9506
0.0830	1.0865	1.2008	1.3271	1.4667	1.6210	1.7914	1.9798	2.1881	2.4182	2.6725	2.9535
0.0840	1.0876	1.2020	1.3285	1.4682	1.6226	1.7932	1.9818	2.1903	2.4206	2.6752	2.9565
0.0850	1.0887	1.2032	1.3298	1.4696	1.6242	1.7950	1.9838	2.1924	2.4230	2.6778	2.9594
0.0860	1.0898	1.2044	1.3311	1.4711	1.6258	1.7968	1.9858	2.1946	2.4254	2.6805	2.9624
0.0870	1.0909	1.2056	1.3324	1.4726	1.6275	1.7986	1.9878	2.1968	2.4279	2.6832	2.9654
0.0880	1.0920	1.2068	1.3338	1.4741	1.6291	1.8004	1.9898	2.1990	2.4303	2.6859	2.9683
0.0890	1.0931	1.2081	1.3351	1.4755	1.6307	1.8022	1.9918	2.2012	2.4327	2.6886	2.9713
0.0900	1.0942	1.2093	1.3365	1.4770	1.6324	1.8040	1.9938	2.2034	2.4352	2.6913	2.9743
0.0910	1.0953	1.2105	1.3378	1.4785	1.6340	1.8058	1.9958	2.2056	2.4376	2.6939	2.9772
0.0920	1.0964	1.2117	1.3391	1.4800	1.6356	1.8076	1.9978	2.2078	2.4400	2.6966	2.9802
0.0930	1.0975	1.2129	1.3405	1.4815	1.6373	1.8095	1.9997	2.2101	2.4425	2.6993	2.9832
0.0940	1.0986	1.2141	1.3418	1.4829	1.6389	1.8113	2.0018	2.2123	2.4449	2.7020	2.9862
0.0950	1.0997	1.2153	1.3432	1.4844	1.6405	1.8131	2.0038	2.2145	2.4474	2.7047	2.9892
0.0960	1.1008	1.2165	1.3445	1.4859	1.6422	1.8149	2.0058	2.2167	2.4498	2.7075	2.9922
0.0970	1.1019	1.2178	1.3458	1.4874	1.6438	1.8167	2.0078	2.2189	2.4523	2.7102	2.9952
0.0980	1.1030	1.2190	1.3472	1.4889	1.6455	1.8185	2.0098	2.2211	2.4547	2.7129	2.9982
0.0990	1.1041	1.2202	1.3485	1.4904	1.6471	1.8203	2.0118	2.2234	2.4572	2.7156	3.0012
0.1000	1.1052	1.2214	1.3499	1.4919	1.6488	1.8222	2.0138	2.2256	2.4596	2.7183	3.0042
0.1010	1.1063	1.2226	1.3512	1.4934	1.6504	1.8240	2.0158	2.2278	2.4621	2.7210	3.0072
0.1020	1.1074	1.2239	1.3526	1.4948	1.6521	1.8258	2.0178	2.2300	2.4646	2.7237	3.0102
0.1030	1.1085	1.2251	1.3539	1.4963	1.6537	1.8276	2.0199	2.2323	2.4670	2.7265	3.0132
0.1040	1.1096	1.2263	1.3553	1.4978	1.6554	1.8295	2.0219	2.2345	2.4695	2.7292	3.0162
0.1050	1.1107	1.2275	1.3567	1.4993	1.6570	1.8313	2.0239	2.2367	2.4720	2.7319	3.0192
0.1060	1.1118	1.2288	1.3580	1.5008	1.6587	1.8331	2.0259	2.2390	2.4744	2.7347	3.0222
0.1070	1.1129	1.2300	1.3594	1.5023	1.6603	1.8350	2.0279	2.2412	2.4769	2.7374	3.0253
0.1080	1.1140	1.2312	1.3607	1.5038	1.6620	1.8368	2.0300	2.2435	2.4794	2.7401	3.0283
0.1090	1.1152	1.2325	1.3621	1.5053	1.6637	1.8386	2.0320	2.2457	2.4819	2.7429	3.0313
0.1100	1.1163	1.2337	1.3635	1.5069	1.6653	1.8405	2.0340	2.2480	2.4844	2.7456	3.0344
0.1110	1.1174	1.2349	1.3648	1.5084	1.6670	1.8423	2.0361	2.2502	2.4868	2.7484	3.0374
0.1120	1.1185	1.2362	1.3662	1.5099	1.6687	1.8442	2.0381	2.2525	2.4893	2.7511	3.0404
0.1130	1.1196	1.2374	1.3676	1.5114	1.6703	1.8460	2.0402	2.2547	2.4918	2.7539	3.0435
0.1140	1.1208	1.2386	1.3689	1.5129	1.6720	1.8479	2.0422	2.2570	2.4943	2.7566	3.0465
0.1150	1.1219	1.2399	1.3703	1.5144	1.6737	1.8497	2.0442	2.2592	2.4968	2.7594	3.0496
0.1160	1.1230	1.2411	1.3717	1.5159	1.6754	1.8516	2.0463	2.2615	2.4993	2.7621	3.0526
0.1170	1.1241	1.2424	1.3730	1.5174	1.6770	1.8534	2.0483	2.2637	2.5018	2.7649	3.0557
0.1180	1.1252	1.2436	1.3744	1.5190	1.6787	1.8553	2.0504	2.2660	2.5043	2.7677	3.0587
0.1190	1.1264	1.2448	1.3758	1.5205	1.6804	1.8571	2.0524	2.2683	2.5068	2.7704	3.0618
0.1200	1.1275	1.2461	1.3772	1.5220	1.6821	1.8590	2.0545	2.2705	2.5093	2.7732	3.0649
0.1210	1.1286	1.2473	1.3785	1.5235	1.6838	1.8608	2.0565	2.2728	2.5118	2.7760	3.0679
0.1220	1.1298	1.2486	1.3799	1.5250	1.6854	1.8627	2.0586	2.2751	2.5144	2.7788	3.0710
0.1230	1.1309	1.2498	1.3813	1.5266	1.6871	1.8646	2.0607	2.2774	2.5169	2.7816	3.0741

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.1240	1.1320	1.2511	1.3827	1.5281	1.6888	1.8664	2.0627	2.2796	2.5194	2.7843	3.0771
0.1250	1.1331	1.2523	1.3841	1.5296	1.6905	1.8683	2.0648	2.2819	2.5219	2.7871	3.0802
0.1260	1.1343	1.2536	1.3854	1.5312	1.6922	1.8702	2.0669	2.2842	2.5244	2.7899	3.0833
0.1270	1.1354	1.2548	1.3868	1.5327	1.6939	1.8720	2.0689	2.2865	2.5270	2.7927	3.0864
0.1280	1.1366	1.2561	1.3882	1.5342	1.6956	1.8739	2.0710	2.2888	2.5295	2.7955	3.0895
0.1290	1.1377	1.2574	1.3896	1.5358	1.6973	1.8758	2.0731	2.2911	2.5320	2.7983	3.0926
0.1300	1.1388	1.2586	1.3910	1.5373	1.6990	1.8777	2.0751	2.2934	2.5346	2.8011	3.0957
0.1310	1.1400	1.2599	1.3924	1.5388	1.7007	1.8795	2.0772	2.2957	2.5371	2.8039	3.0988
0.1320	1.1411	1.2611	1.3938	1.5404	1.7024	1.8814	2.0793	2.2980	2.5396	2.8067	3.1019
0.1330	1.1422	1.2624	1.3952	1.5419	1.7041	1.8833	2.0814	2.3003	2.5422	2.8095	3.1050
0.1340	1.1434	1.2637	1.3966	1.5435	1.7058	1.8852	2.0835	2.3026	2.5447	2.8123	3.1081
0.1350	1.1445	1.2649	1.3980	1.5450	1.7075	1.8871	2.0855	2.3049	2.5473	2.8151	3.1112
0.1360	1.1457	1.2662	1.3994	1.5466	1.7092	1.8890	2.0876	2.3072	2.5498	2.8179	3.1143
0.1370	1.1468	1.2675	1.4008	1.5481	1.7109	1.8909	2.0897	2.3095	2.5524	2.8208	3.1174
0.1380	1.1480	1.2687	1.4022	1.5496	1.7126	1.8927	2.0918	2.3118	2.5549	2.8236	3.1205
0.1390	1.1491	1.2700	1.4036	1.5512	1.7143	1.8946	2.0939	2.3141	2.5575	2.8264	3.1236
0.1400	1.1503	1.2713	1.4050	1.5528	1.7161	1.8965	2.0960	2.3164	2.5600	2.8292	3.1268
0.1410	1.1514	1.2725	1.4064	1.5543	1.7178	1.8984	2.0981	2.3187	2.5626	2.8321	3.1299
0.1420	1.1526	1.2738	1.4078	1.5559	1.7195	1.9003	2.1002	2.3211	2.5651	2.8349	3.1330
0.1430	1.1537	1.2751	1.4092	1.5574	1.7212	1.9022	2.1023	2.3234	2.5677	2.8377	3.1362
0.1440	1.1549	1.2764	1.4106	1.5590	1.7229	1.9041	2.1044	2.3257	2.5703	2.8406	3.1393
0.1450	1.1560	1.2776	1.4120	1.5605	1.7247	1.9060	2.1065	2.3280	2.5729	2.8434	3.1424
0.1460	1.1572	1.2789	1.4134	1.5621	1.7264	1.9080	2.1086	2.3304	2.5754	2.8463	3.1456
0.1470	1.1584	1.2802	1.4149	1.5637	1.7281	1.9099	2.1107	2.3327	2.5780	2.8491	3.1487
0.1480	1.1595	1.2815	1.4163	1.5652	1.7298	1.9118	2.1128	2.3350	2.5806	2.8520	3.1519
0.1490	1.1607	1.2828	1.4177	1.5668	1.7316	1.9137	2.1149	2.3374	2.5832	2.8548	3.1550
0.1500	1.1618	1.2840	1.4191	1.5684	1.7333	1.9156	2.1171	2.3397	2.5858	2.8577	3.1582
0.1510	1.1630	1.2853	1.4205	1.5699	1.7350	1.9175	2.1192	2.3420	2.5883	2.8605	3.1614
0.1520	1.1642	1.2866	1.4219	1.5715	1.7368	1.9194	2.1213	2.3444	2.5909	2.8634	3.1645
0.1530	1.1653	1.2879	1.4234	1.5731	1.7385	1.9214	2.1234	2.3467	2.5935	2.8663	3.1677
0.1540	1.1665	1.2892	1.4248	1.5746	1.7403	1.9233	2.1255	2.3491	2.5961	2.8691	3.1709
0.1550	1.1677	1.2905	1.4262	1.5762	1.7420	1.9252	2.1277	2.3514	2.5987	2.8720	3.1740
0.1560	1.1688	1.2918	1.4276	1.5778	1.7437	1.9271	2.1298	2.3538	2.6013	2.8749	3.1772
0.1570	1.1700	1.2931	1.4291	1.5794	1.7455	1.9291	2.1319	2.3561	2.6039	2.8778	3.1804
0.1580	1.1712	1.2944	1.4305	1.5810	1.7472	1.9310	2.1341	2.3585	2.6065	2.8806	3.1836
0.1590	1.1723	1.2957	1.4319	1.5825	1.7490	1.9329	2.1362	2.3609	2.6091	2.8835	3.1867
0.1600	1.1735	1.2969	1.4334	1.5841	1.7507	1.9349	2.1383	2.3632	2.6117	2.8864	3.1899
0.1610	1.1747	1.2982	1.4348	1.5857	1.7525	1.9368	2.1405	2.3656	2.6144	2.8893	3.1931
0.1620	1.1759	1.2995	1.4362	1.5873	1.7542	1.9387	2.1426	2.3679	2.6170	2.8922	3.1963
0.1630	1.1770	1.3008	1.4377	1.5889	1.7560	1.9407	2.1448	2.3703	2.6196	2.8951	3.1995
0.1640	1.1782	1.3021	1.4391	1.5905	1.7577	1.9426	2.1469	2.3727	2.6222	2.8980	3.2027
0.1650	1.1794	1.3035	1.4405	1.5921	1.7595	1.9446	2.1491	2.3751	2.6248	2.9009	3.2059
0.1660	1.1806	1.3048	1.4420	1.5937	1.7613	1.9465	2.1512	2.3774	2.6275	2.9038	3.2091
0.1670	1.1818	1.3061	1.4434	1.5953	1.7630	1.9484	2.1534	2.3798	2.6301	2.9067	3.2123
0.1680	1.1829	1.3074	1.4449	1.5968	1.7648	1.9504	2.1555	2.3822	2.6327	2.9096	3.2156
0.1690	1.1841	1.3087	1.4463	1.5984	1.7666	1.9523	2.1577	2.3846	2.6354	2.9125	3.2188
0.1700	1.1853	1.3100	1.4478	1.6000	1.7683	1.9543	2.1598	2.3870	2.6380	2.9154	3.2220
0.1710	1.1865	1.3113	1.4492	1.6016	1.7701	1.9563	2.1620	2.3894	2.6406	2.9183	3.2252
0.1720	1.1877	1.3126	1.4507	1.6032	1.7719	1.9582	2.1642	2.3917	2.6433	2.9212	3.2284
0.1730	1.1889	1.3139	1.4521	1.6049	1.7736	1.9602	2.1663	2.3941	2.6459	2.9242	3.2317
0.1740	1.1901	1.3152	1.4536	1.6065	1.7754	1.9621	2.1685	2.3965	2.6486	2.9271	3.2349

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.1750	1.1912	1.3166	1.4550	1.6081	1.7772	1.9641	2.1707	2.3989	2.6512	2.9300	3.2381
0.1760	1.1924	1.3179	1.4565	1.6097	1.7790	1.9661	2.1728	2.4013	2.6539	2.9330	3.2414
0.1770	1.1936	1.3192	1.4579	1.6113	1.7807	1.9680	2.1750	2.4037	2.6565	2.9359	3.2446
0.1780	1.1948	1.3205	1.4594	1.6129	1.7825	1.9700	2.1772	2.4061	2.6592	2.9388	3.2479
0.1790	1.1960	1.3218	1.4609	1.6145	1.7843	1.9720	2.1794	2.4085	2.6618	2.9418	3.2511
0.1800	1.1972	1.3232	1.4623	1.6161	1.7861	1.9739	2.1815	2.4110	2.6645	2.9447	3.2544
0.1810	1.1984	1.3245	1.4638	1.6177	1.7879	1.9759	2.1837	2.4134	2.6672	2.9477	3.2576
0.1820	1.1996	1.3258	1.4652	1.6194	1.7897	1.9779	2.1859	2.4158	2.6698	2.9506	3.2609
0.1830	1.2008	1.3271	1.4667	1.6210	1.7915	1.9799	2.1881	2.4182	2.6725	2.9536	3.2642
0.1840	1.2020	1.3285	1.4682	1.6226	1.7933	1.9819	2.1903	2.4206	2.6752	2.9565	3.2674
0.1850	1.2032	1.3298	1.4697	1.6242	1.7951	1.9838	2.1925	2.4230	2.6779	2.9595	3.2707
0.1860	1.2044	1.3311	1.4711	1.6259	1.7968	1.9858	2.1947	2.4255	2.6805	2.9624	3.2740
0.1870	1.2056	1.3324	1.4726	1.6275	1.7986	1.9878	2.1969	2.4279	2.6832	2.9654	3.2772
0.1880	1.2068	1.3338	1.4741	1.6291	1.8004	1.9898	2.1991	2.4303	2.6859	2.9684	3.2805
0.1890	1.2080	1.3351	1.4755	1.6307	1.8022	1.9918	2.2013	2.4328	2.6886	2.9713	3.2838
0.1900	1.2092	1.3364	1.4770	1.6324	1.8040	1.9938	2.2035	2.4352	2.6913	2.9743	3.2871
0.1910	1.2105	1.3378	1.4785	1.6340	1.8059	1.9958	2.2057	2.4376	2.6940	2.9773	3.2904
0.1920	1.2117	1.3391	1.4800	1.6356	1.8077	1.9978	2.2079	2.4401	2.6967	2.9803	3.2937
0.1930	1.2129	1.3405	1.4815	1.6373	1.8095	1.9998	2.2101	2.4425	2.6994	2.9832	3.2970
0.1940	1.2141	1.3418	1.4829	1.6389	1.8113	2.0018	2.2123	2.4450	2.7021	2.9862	3.3003
0.1950	1.2153	1.3431	1.4844	1.6406	1.8131	2.0038	2.2145	2.4474	2.7048	2.9892	3.3036
0.1960	1.2165	1.3445	1.4859	1.6422	1.8149	2.0058	2.2167	2.4498	2.7075	2.9922	3.3069
0.1970	1.2177	1.3458	1.4874	1.6438	1.8167	2.0078	2.2189	2.4523	2.7102	2.9952	3.3102
0.1980	1.2190	1.3472	1.4889	1.6455	1.8185	2.0098	2.2212	2.4548	2.7129	2.9982	3.3135
0.1990	1.2202	1.3485	1.4904	1.6471	1.8204	2.0118	2.2234	2.4572	2.7156	3.0012	3.3168
0.2000	1.2214	1.3499	1.4919	1.6488	1.8222	2.0138	2.2256	2.4597	2.7183	3.0042	3.3201
0.2010	1.2226	1.3512	1.4934	1.6504	1.8240	2.0158	2.2278	2.4621	2.7211	3.0072	3.3234
0.2020	1.2238	1.3526	1.4949	1.6521	1.8258	2.0179	2.2301	2.4646	2.7238	3.0102	3.3268
0.2030	1.2251	1.3539	1.4963	1.6537	1.8277	2.0199	2.2323	2.4671	2.7265	3.0132	3.3301
0.2040	1.2263	1.3553	1.4978	1.6554	1.8295	2.0219	2.2345	2.4695	2.7292	3.0162	3.3334
0.2050	1.2275	1.3566	1.4993	1.6570	1.8313	2.0239	2.2368	2.4720	2.7320	3.0193	3.3368
0.2060	1.2288	1.3580	1.5008	1.6587	1.8331	2.0259	2.2390	2.4745	2.7347	3.0223	3.3401
0.2070	1.2300	1.3594	1.5023	1.6604	1.8350	2.0280	2.2412	2.4769	2.7374	3.0253	3.3434
0.2080	1.2312	1.3607	1.5038	1.6620	1.8368	2.0300	2.2435	2.4794	2.7402	3.0283	3.3468
0.2090	1.2324	1.3621	1.5054	1.6637	1.8387	2.0320	2.2457	2.4819	2.7429	3.0314	3.3501
0.2100	1.2337	1.3634	1.5069	1.6653	1.8405	2.0341	2.2480	2.4844	2.7457	3.0344	3.3535
0.2110	1.2349	1.3648	1.5084	1.6670	1.8423	2.0361	2.2502	2.4869	2.7484	3.0374	3.3568
0.2120	1.2361	1.3662	1.5099	1.6687	1.8442	2.0381	2.2525	2.4894	2.7511	3.0405	3.3602
0.2130	1.2374	1.3675	1.5114	1.6703	1.8460	2.0402	2.2547	2.4919	2.7539	3.0435	3.3636
0.2140	1.2386	1.3689	1.5129	1.6720	1.8479	2.0422	2.2570	2.4943	2.7567	3.0466	3.3669
0.2150	1.2399	1.3703	1.5144	1.6737	1.8497	2.0443	2.2592	2.4968	2.7594	3.0496	3.3703
0.2160	1.2411	1.3717	1.5159	1.6754	1.8516	2.0463	2.2615	2.4993	2.7622	3.0527	3.3737
0.2170	1.2423	1.3730	1.5174	1.6770	1.8534	2.0484	2.2638	2.5018	2.7649	3.0557	3.3770
0.2180	1.2436	1.3744	1.5190	1.6787	1.8553	2.0504	2.2660	2.5043	2.7677	3.0588	3.3804
0.2190	1.2448	1.3758	1.5205	1.6804	1.8571	2.0525	2.2683	2.5068	2.7705	3.0618	3.3838
0.2200	1.2461	1.3772	1.5220	1.6821	1.8590	2.0545	2.2706	2.5094	2.7732	3.0649	3.3872
0.2210	1.2473	1.3785	1.5235	1.6838	1.8609	2.0566	2.2728	2.5119	2.7760	3.0680	3.3906
0.2220	1.2486	1.3799	1.5251	1.6855	1.8627	2.0586	2.2751	2.5144	2.7788	3.0710	3.3940
0.2230	1.2498	1.3813	1.5266	1.6871	1.8646	2.0607	2.2774	2.5169	2.7816	3.0741	3.3974
0.2240	1.2511	1.3827	1.5281	1.6888	1.8664	2.0627	2.2797	2.5194	2.7844	3.0772	3.4008
0.2250	1.2523	1.3841	1.5296	1.6905	1.8683	2.0648	2.2820	2.5219	2.7871	3.0802	3.4042

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.2260	1.2536	1.3854	1.5312	1.6922	1.8702	2.0669	2.2842	2.5245	2.7899	3.0833	3.4076
0.2270	1.2548	1.3868	1.5327	1.6939	1.8721	2.0689	2.2865	2.5270	2.7927	3.0864	3.4110
0.2280	1.2561	1.3882	1.5342	1.6956	1.8739	2.0710	2.2888	2.5295	2.7955	3.0895	3.4144
0.2290	1.2573	1.3896	1.5358	1.6973	1.8758	2.0731	2.2911	2.5320	2.7983	3.0926	3.4178
0.2300	1.2586	1.3910	1.5373	1.6990	1.8777	2.0752	2.2934	2.5346	2.8011	3.0957	3.4212
0.2310	1.2599	1.3924	1.5388	1.7007	1.8796	2.0772	2.2957	2.5371	2.8039	3.0988	3.4247
0.2320	1.2611	1.3938	1.5404	1.7024	1.8814	2.0793	2.2980	2.5397	2.8067	3.1019	3.4281
0.2330	1.2624	1.3952	1.5419	1.7041	1.8833	2.0814	2.3003	2.5422	2.8095	3.1050	3.4315
0.2340	1.2636	1.3966	1.5435	1.7058	1.8852	2.0835	2.3026	2.5447	2.8123	3.1081	3.4349
0.2350	1.2649	1.3980	1.5450	1.7075	1.8871	2.0856	2.3049	2.5473	2.8152	3.1112	3.4384
0.2360	1.2662	1.3994	1.5466	1.7092	1.8890	2.0876	2.3072	2.5498	2.8180	3.1143	3.4418
0.2370	1.2674	1.4008	1.5481	1.7109	1.8909	2.0897	2.3095	2.5524	2.8208	3.1174	3.4453
0.2380	1.2687	1.4022	1.5496	1.7126	1.8928	2.0918	2.3118	2.5549	2.8236	3.1206	3.4487
0.2390	1.2700	1.4036	1.5512	1.7143	1.8947	2.0939	2.3141	2.5575	2.8264	3.1237	3.4522
0.2400	1.2712	1.4050	1.5528	1.7161	1.8965	2.0960	2.3164	2.5600	2.8293	3.1268	3.4556
0.2410	1.2725	1.4064	1.5543	1.7178	1.8984	2.0981	2.3188	2.5626	2.8321	3.1299	3.4591
0.2420	1.2738	1.4078	1.5559	1.7195	1.9003	2.1002	2.3211	2.5652	2.8349	3.1331	3.4625
0.2430	1.2751	1.4092	1.5574	1.7212	1.9022	2.1023	2.3234	2.5677	2.8378	3.1362	3.4660
0.2440	1.2763	1.4106	1.5590	1.7229	1.9042	2.1044	2.3257	2.5703	2.8406	3.1393	3.4695
0.2450	1.2776	1.4120	1.5605	1.7247	1.9061	2.1065	2.3281	2.5729	2.8435	3.1425	3.4729
0.2460	1.2789	1.4134	1.5621	1.7264	1.9080	2.1086	2.3304	2.5755	2.8463	3.1456	3.4764
0.2470	1.2802	1.4148	1.5637	1.7281	1.9099	2.1107	2.3327	2.5780	2.8491	3.1488	3.4799
0.2480	1.2815	1.4163	1.5652	1.7298	1.9118	2.1128	2.3350	2.5806	2.8520	3.1519	3.4834
0.2490	1.2827	1.4177	1.5668	1.7316	1.9137	2.1150	2.3374	2.5832	2.8549	3.1551	3.4869
0.2500	1.2840	1.4191	1.5684	1.7333	1.9156	2.1171	2.3397	2.5858	2.8577	3.1582	3.4903
0.2510	1.2853	1.4205	1.5699	1.7350	1.9175	2.1192	2.3421	2.5884	2.8606	3.1614	3.4938
0.2520	1.2866	1.4219	1.5715	1.7368	1.9194	2.1213	2.3444	2.5910	2.8634	3.1645	3.4973
0.2530	1.2879	1.4234	1.5731	1.7385	1.9214	2.1234	2.3468	2.5935	2.8663	3.1677	3.5008
0.2540	1.2892	1.4248	1.5746	1.7403	1.9233	2.1256	2.3491	2.5961	2.8692	3.1709	3.5043
0.2550	1.2905	1.4262	1.5762	1.7420	1.9252	2.1277	2.3515	2.5987	2.8720	3.1741	3.5078
0.2560	1.2918	1.4276	1.5778	1.7437	1.9271	2.1298	2.3538	2.6013	2.8749	3.1772	3.5113
0.2570	1.2930	1.4291	1.5794	1.7455	1.9291	2.1319	2.3562	2.6039	2.8778	3.1804	3.5149
0.2580	1.2943	1.4305	1.5810	1.7472	1.9310	2.1341	2.3585	2.6065	2.8807	3.1836	3.5184
0.2590	1.2956	1.4319	1.5825	1.7490	1.9329	2.1362	2.3609	2.6092	2.8835	3.1868	3.5219
0.2600	1.2969	1.4334	1.5841	1.7507	1.9349	2.1384	2.3632	2.6118	2.8864	3.1900	3.5254
0.2610	1.2982	1.4348	1.5857	1.7525	1.9368	2.1405	2.3656	2.6144	2.8893	3.1932	3.5289
0.2620	1.2995	1.4362	1.5873	1.7542	1.9387	2.1426	2.3680	2.6170	2.8922	3.1964	3.5325
0.2630	1.3008	1.4377	1.5889	1.7560	1.9407	2.1448	2.3703	2.6196	2.8951	3.1996	3.5360
0.2640	1.3021	1.4391	1.5905	1.7578	1.9426	2.1469	2.3727	2.6222	2.8980	3.2028	3.5396
0.2650	1.3034	1.4405	1.5921	1.7595	1.9446	2.1491	2.3751	2.6249	2.9009	3.2060	3.5431
0.2660	1.3047	1.4420	1.5937	1.7613	1.9465	2.1512	2.3775	2.6275	2.9038	3.2092	3.5466
0.2670	1.3060	1.4434	1.5952	1.7630	1.9485	2.1534	2.3798	2.6301	2.9067	3.2124	3.5502
0.2680	1.3073	1.4449	1.5968	1.7648	1.9504	2.1555	2.3822	2.6327	2.9096	3.2156	3.5537
0.2690	1.3087	1.4463	1.5984	1.7666	1.9524	2.1577	2.3846	2.6354	2.9125	3.2188	3.5573
0.2700	1.3100	1.4478	1.6000	1.7683	1.9543	2.1598	2.3870	2.6380	2.9154	3.2220	3.5609
0.2710	1.3113	1.4492	1.6016	1.7701	1.9563	2.1620	2.3894	2.6407	2.9184	3.2252	3.5644
0.2720	1.3126	1.4507	1.6032	1.7719	1.9582	2.1642	2.3918	2.6433	2.9213	3.2285	3.5680
0.2730	1.3139	1.4521	1.6048	1.7736	1.9602	2.1663	2.3942	2.6459	2.9242	3.2317	3.5716
0.2740	1.3152	1.4536	1.6065	1.7754	1.9621	2.1685	2.3966	2.6486	2.9271	3.2349	3.5751
0.2750	1.3165	1.4550	1.6081	1.7772	1.9641	2.1707	2.3990	2.6512	2.9301	3.2382	3.5787
0.2760	1.3178	1.4565	1.6097	1.7790	1.9661	2.1728	2.4014	2.6539	2.9330	3.2414	3.5823

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.2770	1.3192	1.4579	1.6113	1.7808	1.9680	2.1750	2.4038	2.6565	2.9359	3.2447	3.5859
0.2780	1.3205	1.4594	1.6129	1.7825	1.9700	2.1772	2.4062	2.6592	2.9389	3.2479	3.5895
0.2790	1.3218	1.4608	1.6145	1.7843	1.9720	2.1794	2.4086	2.6619	2.9418	3.2512	3.5930
0.2800	1.3231	1.4623	1.6161	1.7861	1.9740	2.1816	2.4110	2.6645	2.9447	3.2544	3.5966
0.2810	1.3245	1.4638	1.6177	1.7879	1.9759	2.1837	2.4134	2.6672	2.9477	3.2577	3.6002
0.2820	1.3258	1.4652	1.6194	1.7897	1.9779	2.1859	2.4158	2.6699	2.9506	3.2609	3.6038
0.2830	1.3271	1.4667	1.6210	1.7915	1.9799	2.1881	2.4182	2.6725	2.9536	3.2642	3.6074
0.2840	1.3284	1.4682	1.6226	1.7933	1.9819	2.1903	2.4206	2.6752	2.9565	3.2675	3.6111
0.2850	1.3298	1.4696	1.6242	1.7951	1.9838	2.1925	2.4231	2.6779	2.9595	3.2707	3.6147
0.2860	1.3311	1.4711	1.6258	1.7969	1.9858	2.1947	2.4255	2.6806	2.9625	3.2740	3.6183
0.2870	1.3324	1.4726	1.6275	1.7986	1.9878	2.1969	2.4279	2.6832	2.9654	3.2773	3.6219
0.2880	1.3338	1.4741	1.6291	1.8004	1.9898	2.1991	2.4303	2.6859	2.9684	3.2805	3.6255
0.2890	1.3351	1.4755	1.6307	1.8022	1.9918	2.2013	2.4328	2.6886	2.9714	3.2838	3.6292
0.2900	1.3364	1.4770	1.6324	1.8041	1.9938	2.2035	2.4352	2.6913	2.9743	3.2871	3.6328
0.2910	1.3378	1.4785	1.6340	1.8059	1.9958	2.2057	2.4376	2.6940	2.9773	3.2904	3.6364
0.2920	1.3391	1.4800	1.6356	1.8077	1.9978	2.2079	2.4401	2.6967	2.9803	3.2937	3.6401
0.2930	1.3404	1.4814	1.6373	1.8095	1.9998	2.2101	2.4425	2.6994	2.9833	3.2970	3.6437
0.2940	1.3418	1.4829	1.6389	1.8113	2.0018	2.2123	2.4450	2.7021	2.9863	3.3003	3.6473
0.2950	1.3431	1.4844	1.6405	1.8131	2.0038	2.2145	2.4474	2.7048	2.9892	3.3036	3.6510
0.2960	1.3445	1.4859	1.6422	1.8149	2.0058	2.2167	2.4499	2.7075	2.9922	3.3069	3.6546
0.2970	1.3458	1.4874	1.6438	1.8167	2.0078	2.2190	2.4523	2.7102	2.9952	3.3102	3.6583
0.2980	1.3472	1.4889	1.6455	1.8185	2.0098	2.2212	2.4548	2.7129	2.9982	3.3135	3.6620
0.2990	1.3485	1.4904	1.6471	1.8204	2.0118	2.2234	2.4572	2.7156	3.0012	3.3168	3.6656
0.3000	1.3499	1.4919	1.6488	1.8222	2.0138	2.2256	2.4597	2.7184	3.0042	3.3202	3.6693
0.3010	1.3512	1.4933	1.6504	1.8240	2.0158	2.2278	2.4621	2.7211	3.0072	3.3235	3.6730
0.3020	1.3526	1.4948	1.6521	1.8258	2.0179	2.2301	2.4646	2.7238	3.0102	3.3268	3.6766
0.3030	1.3539	1.4963	1.6537	1.8277	2.0199	2.2323	2.4671	2.7265	3.0133	3.3301	3.6803
0.3040	1.3553	1.4978	1.6554	1.8295	2.0219	2.2345	2.4695	2.7293	3.0163	3.3335	3.6840
0.3050	1.3566	1.4993	1.6570	1.8313	2.0239	2.2368	2.4720	2.7320	3.0193	3.3368	3.6877
0.3060	1.3580	1.5008	1.6587	1.8331	2.0259	2.2390	2.4745	2.7347	3.0223	3.3401	3.6914
0.3070	1.3593	1.5023	1.6604	1.8350	2.0280	2.2413	2.4770	2.7375	3.0253	3.3435	3.6951
0.3080	1.3607	1.5038	1.6620	1.8368	2.0300	2.2435	2.4794	2.7402	3.0284	3.3468	3.6988
0.3090	1.3621	1.5053	1.6637	1.8387	2.0320	2.2457	2.4819	2.7429	3.0314	3.3502	3.7025
0.3100	1.3634	1.5068	1.6653	1.8405	2.0341	2.2480	2.4844	2.7457	3.0344	3.3535	3.7062
0.3110	1.3648	1.5084	1.6670	1.8423	2.0361	2.2502	2.4869	2.7484	3.0375	3.3569	3.7099
0.3120	1.3662	1.5099	1.6687	1.8442	2.0381	2.2525	2.4894	2.7512	3.0405	3.3602	3.7136
0.3130	1.3675	1.5114	1.6703	1.8460	2.0402	2.2547	2.4919	2.7539	3.0435	3.3636	3.7173
0.3140	1.3689	1.5129	1.6720	1.8479	2.0422	2.2570	2.4944	2.7567	3.0466	3.3670	3.7210
0.3150	1.3703	1.5144	1.6737	1.8497	2.0443	2.2593	2.4969	2.7594	3.0496	3.3703	3.7248
0.3160	1.3716	1.5159	1.6754	1.8516	2.0463	2.2615	2.4994	2.7622	3.0527	3.3737	3.7285
0.3170	1.3730	1.5174	1.6770	1.8534	2.0484	2.2638	2.5019	2.7650	3.0557	3.3771	3.7322
0.3180	1.3744	1.5189	1.6787	1.8553	2.0504	2.2660	2.5044	2.7677	3.0588	3.3805	3.7359
0.3190	1.3758	1.5205	1.6804	1.8571	2.0525	2.2683	2.5069	2.7705	3.0619	3.3838	3.7397
0.3200	1.3771	1.5220	1.6821	1.8590	2.0545	2.2706	2.5094	2.7733	3.0649	3.3872	3.7434
0.3210	1.3785	1.5235	1.6838	1.8609	2.0566	2.2729	2.5119	2.7760	3.0680	3.3906	3.7472
0.3220	1.3799	1.5250	1.6854	1.8627	2.0586	2.2751	2.5144	2.7788	3.0711	3.3940	3.7509
0.3230	1.3813	1.5266	1.6871	1.8646	2.0607	2.2774	2.5169	2.7816	3.0741	3.3974	3.7547
0.3240	1.3826	1.5281	1.6888	1.8664	2.0627	2.2797	2.5194	2.7844	3.0772	3.4008	3.7584
0.3250	1.3840	1.5296	1.6905	1.8683	2.0648	2.2820	2.5220	2.7872	3.0803	3.4042	3.7622
0.3260	1.3854	1.5311	1.6922	1.8702	2.0669	2.2842	2.5245	2.7900	3.0834	3.4076	3.7659
0.3270	1.3868	1.5327	1.6939	1.8721	2.0689	2.2865	2.5270	2.7928	3.0864	3.4110	3.7697

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.3280	1.3882	1.5342	1.6956	1.8739	2.0710	2.2888	2.5295	2.7955	3.0895	3.4144	3.7735
0.3290	1.3896	1.5357	1.6973	1.8758	2.0731	2.2911	2.5321	2.7983	3.0926	3.4178	3.7773
0.3300	1.3910	1.5373	1.6990	1.8777	2.0752	2.2934	2.5346	2.8011	3.0957	3.4213	3.7810
0.3310	1.3924	1.5388	1.7007	1.8796	2.0772	2.2957	2.5371	2.8039	3.0988	3.4247	3.7848
0.3320	1.3938	1.5404	1.7024	1.8814	2.0793	2.2980	2.5397	2.8068	3.1019	3.4281	3.7886
0.3330	1.3951	1.5419	1.7041	1.8833	2.0814	2.3003	2.5422	2.8096	3.1050	3.4315	3.7924
0.3340	1.3965	1.5434	1.7058	1.8852	2.0835	2.3026	2.5448	2.8124	3.1081	3.4350	3.7962
0.3350	1.3979	1.5450	1.7075	1.8871	2.0856	2.3049	2.5473	2.8152	3.1112	3.4384	3.8000
0.3360	1.3993	1.5465	1.7092	1.8890	2.0876	2.3072	2.5498	2.8180	3.1143	3.4419	3.8038
0.3370	1.4007	1.5481	1.7109	1.8909	2.0897	2.3095	2.5524	2.8208	3.1175	3.4453	3.8076
0.3380	1.4021	1.5496	1.7126	1.8928	2.0918	2.3118	2.5550	2.8236	3.1206	3.4487	3.8114
0.3390	1.4035	1.5512	1.7143	1.8947	2.0939	2.3141	2.5575	2.8265	3.1237	3.4522	3.8152
0.3400	1.4049	1.5527	1.7161	1.8965	2.0960	2.3165	2.5601	2.8293	3.1268	3.4557	3.8190
0.3410	1.4064	1.5543	1.7178	1.8984	2.0981	2.3188	2.5626	2.8321	3.1300	3.4591	3.8229
0.3420	1.4078	1.5558	1.7195	1.9003	2.1002	2.3211	2.5652	2.8350	3.1331	3.4626	3.8267
0.3430	1.4092	1.5574	1.7212	1.9022	2.1023	2.3234	2.5678	2.8378	3.1362	3.4660	3.8305
0.3440	1.4106	1.5590	1.7229	1.9042	2.1044	2.3257	2.5703	2.8406	3.1394	3.4695	3.8344
0.3450	1.4120	1.5605	1.7247	1.9061	2.1065	2.3281	2.5729	2.8435	3.1425	3.4730	3.8382
0.3460	1.4134	1.5621	1.7264	1.9080	2.1086	2.3304	2.5755	2.8463	3.1456	3.4764	3.8420
0.3470	1.4148	1.5636	1.7281	1.9099	2.1107	2.3327	2.5781	2.8492	3.1488	3.4799	3.8459
0.3480	1.4162	1.5652	1.7298	1.9118	2.1129	2.3351	2.5806	2.8520	3.1519	3.4834	3.8497
0.3490	1.4176	1.5668	1.7316	1.9137	2.1150	2.3374	2.5832	2.8549	3.1551	3.4869	3.8536
0.3500	1.4191	1.5683	1.7333	1.9156	2.1171	2.3397	2.5858	2.8577	3.1583	3.4904	3.8574
0.3510	1.4205	1.5699	1.7350	1.9175	2.1192	2.3421	2.5884	2.8606	3.1614	3.4939	3.8613
0.3520	1.4219	1.5715	1.7368	1.9194	2.1213	2.3444	2.5910	2.8635	3.1646	3.4974	3.8651
0.3530	1.4233	1.5731	1.7385	1.9214	2.1234	2.3468	2.5936	2.8663	3.1677	3.5009	3.8690
0.3540	1.4248	1.5746	1.7403	1.9233	2.1256	2.3491	2.5962	2.8692	3.1709	3.5044	3.8729
0.3550	1.4262	1.5762	1.7420	1.9252	2.1277	2.3515	2.5988	2.8721	3.1741	3.5079	3.8768
0.3560	1.4276	1.5778	1.7437	1.9271	2.1298	2.3538	2.6014	2.8749	3.1773	3.5114	3.8806
0.3570	1.4290	1.5794	1.7455	1.9291	2.1320	2.3562	2.6040	2.8778	3.1804	3.5149	3.8845
0.3580	1.4305	1.5809	1.7472	1.9310	2.1341	2.3585	2.6066	2.8807	3.1836	3.5184	3.8884
0.3590	1.4319	1.5825	1.7490	1.9329	2.1362	2.3609	2.6092	2.8836	3.1868	3.5219	3.8923
0.3600	1.4333	1.5841	1.7507	1.9349	2.1384	2.3632	2.6118	2.8865	3.1900	3.5255	3.8962
0.3610	1.4348	1.5857	1.7525	1.9368	2.1405	2.3656	2.6144	2.8893	3.1932	3.5290	3.9001
0.3620	1.4362	1.5873	1.7542	1.9387	2.1426	2.3680	2.6170	2.8922	3.1964	3.5325	3.9040
0.3630	1.4376	1.5889	1.7560	1.9407	2.1448	2.3704	2.6196	2.8951	3.1996	3.5361	3.9079
0.3640	1.4391	1.5905	1.7577	1.9426	2.1469	2.3727	2.6223	2.8980	3.2028	3.5396	3.9118
0.3650	1.4405	1.5920	1.7595	1.9446	2.1491	2.3751	2.6249	2.9009	3.2060	3.5431	3.9157
0.3660	1.4420	1.5936	1.7613	1.9465	2.1512	2.3775	2.6275	2.9038	3.2092	3.5467	3.9196
0.3670	1.4434	1.5952	1.7630	1.9485	2.1534	2.3799	2.6301	2.9067	3.2124	3.5502	3.9236
0.3680	1.4448	1.5968	1.7648	1.9504	2.1555	2.3822	2.6328	2.9096	3.2156	3.5538	3.9275
0.3690	1.4463	1.5984	1.7666	1.9524	2.1577	2.3846	2.6354	2.9125	3.2188	3.5573	3.9314
0.3700	1.4477	1.6000	1.7683	1.9543	2.1598	2.3870	2.6380	2.9155	3.2221	3.5609	3.9354
0.3710	1.4492	1.6016	1.7701	1.9563	2.1620	2.3894	2.6407	2.9184	3.2253	3.5645	3.9393
0.3720	1.4506	1.6032	1.7719	1.9582	2.1642	2.3918	2.6433	2.9213	3.2285	3.5680	3.9432
0.3730	1.4521	1.6048	1.7736	1.9602	2.1663	2.3942	2.6460	2.9242	3.2317	3.5716	3.9472
0.3740	1.4535	1.6064	1.7754	1.9621	2.1685	2.3966	2.6486	2.9271	3.2350	3.5752	3.9511
0.3750	1.4550	1.6080	1.7772	1.9641	2.1707	2.3990	2.6513	2.9301	3.2382	3.5787	3.9551
0.3760	1.4564	1.6097	1.7790	1.9661	2.1728	2.4014	2.6539	2.9330	3.2414	3.5823	3.9590
0.3770	1.4579	1.6113	1.7807	1.9680	2.1750	2.4038	2.6566	2.9359	3.2447	3.5859	3.9630
0.3780	1.4594	1.6129	1.7825	1.9700	2.1772	2.4062	2.6592	2.9389	3.2479	3.5895	3.9670

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.3790	1.4608	1.6145	1.7843	1.9720	2.1794	2.4086	2.6619	2.9418	3.2512	3.5931	3.9709
0.3800	1.4623	1.6161	1.7861	1.9739	2.1816	2.4110	2.6645	2.9448	3.2544	3.5967	3.9749
0.3810	1.4637	1.6177	1.7879	1.9759	2.1837	2.4134	2.6672	2.9477	3.2577	3.6003	3.9789
0.3820	1.4652	1.6193	1.7897	1.9779	2.1859	2.4158	2.6699	2.9507	3.2610	3.6039	3.9829
0.3830	1.4667	1.6210	1.7915	1.9799	2.1881	2.4182	2.6726	2.9536	3.2642	3.6075	3.9868
0.3840	1.4681	1.6226	1.7933	1.9819	2.1903	2.4207	2.6752	2.9566	3.2675	3.6111	3.9908
0.3850	1.4696	1.6242	1.7950	1.9838	2.1925	2.4231	2.6779	2.9595	3.2708	3.6147	3.9948
0.3860	1.4711	1.6258	1.7968	1.9858	2.1947	2.4255	2.6806	2.9625	3.2740	3.6183	3.9988
0.3870	1.4726	1.6275	1.7986	1.9878	2.1969	2.4279	2.6833	2.9654	3.2773	3.6219	4.0028
0.3880	1.4740	1.6291	1.8004	1.9898	2.1991	2.4304	2.6859	2.9684	3.2806	3.6256	4.0068
0.3890	1.4755	1.6307	1.8022	1.9918	2.2013	2.4328	2.6886	2.9714	3.2839	3.6292	4.0108
0.3900	1.4770	1.6323	1.8040	1.9938	2.2035	2.4352	2.6913	2.9744	3.2871	3.6328	4.0149
0.3910	1.4785	1.6340	1.8058	1.9958	2.2057	2.4377	2.6940	2.9773	3.2904	3.6365	4.0189
0.3920	1.4799	1.6356	1.8077	1.9978	2.2079	2.4401	2.6967	2.9803	3.2937	3.6401	4.0229
0.3930	1.4814	1.6372	1.8095	1.9998	2.2101	2.4425	2.6994	2.9833	3.2970	3.6437	4.0269
0.3940	1.4829	1.6389	1.8113	2.0018	2.2123	2.4450	2.7021	2.9863	3.3003	3.6474	4.0309
0.3950	1.4844	1.6405	1.8131	2.0038	2.2145	2.4474	2.7048	2.9893	3.3036	3.6510	4.0350
0.3960	1.4859	1.6422	1.8149	2.0058	2.2167	2.4499	2.7075	2.9923	3.3069	3.6547	4.0390
0.3970	1.4874	1.6438	1.8167	2.0078	2.2190	2.4523	2.7102	2.9953	3.3102	3.6583	4.0431
0.3980	1.4888	1.6455	1.8185	2.0098	2.2212	2.4548	2.7129	2.9982	3.3136	3.6620	4.0471
0.3990	1.4903	1.6471	1.8204	2.0118	2.2234	2.4572	2.7157	3.0012	3.3169	3.6657	4.0511
0.4000	1.4918	1.6488	1.8222	2.0138	2.2256	2.4597	2.7184	3.0043	3.3202	3.6693	4.0552
0.4010	1.4933	1.6504	1.8240	2.0158	2.2279	2.4622	2.7211	3.0073	3.3235	3.6730	4.0593
0.4020	1.4948	1.6521	1.8258	2.0179	2.2301	2.4646	2.7238	3.0103	3.3268	3.6767	4.0633
0.4030	1.4963	1.6537	1.8276	2.0199	2.2323	2.4671	2.7265	3.0133	3.3302	3.6804	4.0674
0.4040	1.4978	1.6554	1.8295	2.0219	2.2345	2.4696	2.7293	3.0163	3.3335	3.6840	4.0715
0.4050	1.4993	1.6570	1.8313	2.0239	2.2368	2.4720	2.7320	3.0193	3.3368	3.6877	4.0755
0.4060	1.5008	1.6587	1.8331	2.0259	2.2390	2.4745	2.7347	3.0223	3.3402	3.6914	4.0796
0.4070	1.5023	1.6603	1.8350	2.0280	2.2413	2.4770	2.7375	3.0254	3.3435	3.6951	4.0837
0.4080	1.5038	1.6620	1.8368	2.0300	2.2435	2.4795	2.7402	3.0284	3.3469	3.6988	4.0878
0.4090	1.5053	1.6637	1.8386	2.0320	2.2457	2.4819	2.7430	3.0314	3.3502	3.7025	4.0919
0.4100	1.5068	1.6653	1.8405	2.0341	2.2480	2.4844	2.7457	3.0344	3.3536	3.7062	4.0960
0.4110	1.5083	1.6670	1.8423	2.0361	2.2502	2.4869	2.7484	3.0375	3.3569	3.7099	4.1001
0.4120	1.5098	1.6687	1.8442	2.0381	2.2525	2.4894	2.7512	3.0405	3.3603	3.7136	4.1042
0.4130	1.5113	1.6703	1.8460	2.0402	2.2547	2.4919	2.7539	3.0436	3.3636	3.7173	4.1083
0.4140	1.5129	1.6720	1.8479	2.0422	2.2570	2.4944	2.7567	3.0466	3.3670	3.7211	4.1124
0.4150	1.5144	1.6737	1.8497	2.0443	2.2593	2.4969	2.7595	3.0497	3.3704	3.7248	4.1165
0.4160	1.5159	1.6753	1.8516	2.0463	2.2615	2.4994	2.7622	3.0527	3.3737	3.7285	4.1206
0.4170	1.5174	1.6770	1.8534	2.0484	2.2638	2.5019	2.7650	3.0558	3.3771	3.7322	4.1247
0.4180	1.5189	1.6787	1.8553	2.0504	2.2661	2.5044	2.7677	3.0588	3.3805	3.7360	4.1289
0.4190	1.5204	1.6804	1.8571	2.0525	2.2683	2.5069	2.7705	3.0619	3.3839	3.7397	4.1330
0.4200	1.5220	1.6821	1.8590	2.0545	2.2706	2.5094	2.7733	3.0649	3.3873	3.7435	4.1371
0.4210	1.5235	1.6837	1.8608	2.0566	2.2729	2.5119	2.7761	3.0680	3.3906	3.7472	4.1413
0.4220	1.5250	1.6854	1.8627	2.0586	2.2751	2.5144	2.7788	3.0711	3.3940	3.7510	4.1454
0.4230	1.5265	1.6871	1.8646	2.0607	2.2774	2.5169	2.7816	3.0741	3.3974	3.7547	4.1496
0.4240	1.5281	1.6888	1.8664	2.0627	2.2797	2.5194	2.7844	3.0772	3.4008	3.7585	4.1537
0.4250	1.5296	1.6905	1.8683	2.0648	2.2820	2.5220	2.7872	3.0803	3.4042	3.7622	4.1579
0.4260	1.5311	1.6922	1.8702	2.0669	2.2843	2.5245	2.7900	3.0834	3.4076	3.7660	4.1620
0.4270	1.5327	1.6939	1.8720	2.0689	2.2865	2.5270	2.7928	3.0865	3.4111	3.7698	4.1662
0.4280	1.5342	1.6956	1.8739	2.0710	2.2888	2.5295	2.7956	3.0896	3.4145	3.7735	4.1704
0.4290	1.5357	1.6973	1.8758	2.0731	2.2911	2.5321	2.7984	3.0926	3.4179	3.7773	4.1745

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.4300	1.5373	1.6990	1.8777	2.0752	2.2934	2.5346	2.8012	3.0957	3.4213	3.7811	4.1787
0.4310	1.5388	1.7007	1.8795	2.0772	2.2957	2.5371	2.8040	3.0988	3.4247	3.7849	4.1829
0.4320	1.5403	1.7024	1.8814	2.0793	2.2980	2.5397	2.8068	3.1019	3.4281	3.7887	4.1871
0.4330	1.5419	1.7041	1.8833	2.0814	2.3003	2.5422	2.8096	3.1050	3.4316	3.7924	4.1913
0.4340	1.5434	1.7058	1.8852	2.0835	2.3026	2.5448	2.8124	3.1082	3.4350	3.7962	4.1954
0.4350	1.5450	1.7075	1.8871	2.0856	2.3049	2.5473	2.8152	3.1113	3.4384	3.8000	4.1996
0.4360	1.5465	1.7092	1.8890	2.0876	2.3072	2.5499	2.8180	3.1144	3.4419	3.8038	4.2038
0.4370	1.5481	1.7109	1.8909	2.0897	2.3095	2.5524	2.8208	3.1175	3.4453	3.8076	4.2081
0.4380	1.5496	1.7126	1.8927	2.0918	2.3118	2.5550	2.8237	3.1206	3.4488	3.8115	4.2123
0.4390	1.5512	1.7143	1.8946	2.0939	2.3141	2.5575	2.8265	3.1237	3.4522	3.8153	4.2165
0.4400	1.5527	1.7160	1.8965	2.0960	2.3165	2.5601	2.8293	3.1269	3.4557	3.8191	4.2207
0.4410	1.5543	1.7178	1.8984	2.0981	2.3188	2.5626	2.8321	3.1300	3.4591	3.8229	4.2249
0.4420	1.5558	1.7195	1.9003	2.1002	2.3211	2.5652	2.8350	3.1331	3.4626	3.8267	4.2291
0.4430	1.5574	1.7212	1.9022	2.1023	2.3234	2.5678	2.8378	3.1363	3.4661	3.8306	4.2334
0.4440	1.5589	1.7229	1.9041	2.1044	2.3257	2.5703	2.8407	3.1394	3.4695	3.8344	4.2376
0.4450	1.5605	1.7246	1.9060	2.1065	2.3281	2.5729	2.8435	3.1425	3.4730	3.8382	4.2419
0.4460	1.5621	1.7264	1.9080	2.1086	2.3304	2.5755	2.8463	3.1457	3.4765	3.8421	4.2461
0.4470	1.5636	1.7281	1.9099	2.1107	2.3327	2.5781	2.8492	3.1488	3.4800	3.8459	4.2503
0.4480	1.5652	1.7298	1.9118	2.1128	2.3351	2.5806	2.8520	3.1520	3.4834	3.8498	4.2546
0.4490	1.5667	1.7316	1.9137	2.1150	2.3374	2.5832	2.8549	3.1551	3.4869	3.8536	4.2589
0.4500	1.5683	1.7333	1.9156	2.1171	2.3397	2.5858	2.8577	3.1583	3.4904	3.8575	4.2631
0.4510	1.5699	1.7350	1.9175	2.1192	2.3421	2.5884	2.8606	3.1614	3.4939	3.8613	4.2674
0.4520	1.5715	1.7368	1.9194	2.1213	2.3444	2.5910	2.8635	3.1646	3.4974	3.8652	4.2716
0.4530	1.5730	1.7385	1.9214	2.1234	2.3468	2.5936	2.8663	3.1678	3.5009	3.8691	4.2759
0.4540	1.5746	1.7402	1.9233	2.1256	2.3491	2.5962	2.8692	3.1709	3.5044	3.8729	4.2802
0.4550	1.5762	1.7420	1.9252	2.1277	2.3515	2.5988	2.8721	3.1741	3.5079	3.8768	4.2845
0.4560	1.5778	1.7437	1.9271	2.1298	2.3538	2.6014	2.8749	3.1773	3.5114	3.8807	4.2888
0.4570	1.5793	1.7455	1.9291	2.1319	2.3562	2.6040	2.8778	3.1805	3.5149	3.8846	4.2931
0.4580	1.5809	1.7472	1.9310	2.1341	2.3585	2.6066	2.8807	3.1836	3.5184	3.8885	4.2974
0.4590	1.5825	1.7490	1.9329	2.1362	2.3609	2.6092	2.8836	3.1868	3.5220	3.8923	4.3017
0.4600	1.5841	1.7507	1.9349	2.1384	2.3633	2.6118	2.8865	3.1900	3.5255	3.8962	4.3060
0.4610	1.5857	1.7525	1.9368	2.1405	2.3656	2.6144	2.8894	3.1932	3.5290	3.9001	4.3103
0.4620	1.5872	1.7542	1.9387	2.1426	2.3680	2.6170	2.8922	3.1964	3.5326	3.9040	4.3146
0.4630	1.5888	1.7560	1.9407	2.1448	2.3704	2.6196	2.8951	3.1996	3.5361	3.9079	4.3189
0.4640	1.5904	1.7577	1.9426	2.1469	2.3727	2.6223	2.8980	3.2028	3.5396	3.9119	4.3232
0.4650	1.5920	1.7595	1.9445	2.1491	2.3751	2.6249	2.9009	3.2060	3.5432	3.9158	4.3275
0.4660	1.5936	1.7612	1.9465	2.1512	2.3775	2.6275	2.9038	3.2092	3.5467	3.9197	4.3319
0.4670	1.5952	1.7630	1.9484	2.1534	2.3799	2.6301	2.9067	3.2124	3.5503	3.9236	4.3362
0.4680	1.5968	1.7648	1.9504	2.1555	2.3822	2.6328	2.9097	3.2156	3.5538	3.9275	4.3405
0.4690	1.5984	1.7665	1.9523	2.1577	2.3846	2.6354	2.9126	3.2189	3.5574	3.9315	4.3449
0.4700	1.6000	1.7683	1.9543	2.1598	2.3870	2.6380	2.9155	3.2221	3.5609	3.9354	4.3492
0.4710	1.6016	1.7701	1.9563	2.1620	2.3894	2.6407	2.9184	3.2253	3.5645	3.9393	4.3536
0.4720	1.6032	1.7718	1.9582	2.1642	2.3918	2.6433	2.9213	3.2285	3.5681	3.9433	4.3579
0.4730	1.6048	1.7736	1.9602	2.1663	2.3942	2.6460	2.9242	3.2318	3.5716	3.9472	4.3623
0.4740	1.6064	1.7754	1.9621	2.1685	2.3966	2.6486	2.9272	3.2350	3.5752	3.9512	4.3667
0.4750	1.6080	1.7772	1.9641	2.1707	2.3990	2.6513	2.9301	3.2382	3.5788	3.9551	4.3710
0.4760	1.6096	1.7789	1.9661	2.1728	2.4014	2.6539	2.9330	3.2415	3.5824	3.9591	4.3754
0.4770	1.6112	1.7807	1.9680	2.1750	2.4038	2.6566	2.9360	3.2447	3.5859	3.9630	4.3798
0.4780	1.6128	1.7825	1.9700	2.1772	2.4062	2.6592	2.9389	3.2480	3.5895	3.9670	4.3842
0.4790	1.6145	1.7843	1.9720	2.1794	2.4086	2.6619	2.9418	3.2512	3.5931	3.9710	4.3886
0.4800	1.6161	1.7861	1.9739	2.1816	2.4110	2.6646	2.9448	3.2545	3.5967	3.9749	4.3929

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.4810	1.6177	1.7879	1.9759	2.1837	2.4134	2.6672	2.9477	3.2577	3.6003	3.9789	4.3973
0.4820	1.6193	1.7896	1.9779	2.1859	2.4158	2.6699	2.9507	3.2610	3.6039	3.9829	4.4017
0.4830	1.6209	1.7914	1.9799	2.1881	2.4182	2.6726	2.9536	3.2642	3.6075	3.9869	4.4061
0.4840	1.6226	1.7932	1.9818	2.1903	2.4207	2.6752	2.9566	3.2675	3.6111	3.9909	4.4106
0.4850	1.6242	1.7950	1.9838	2.1925	2.4231	2.6779	2.9595	3.2708	3.6147	3.9949	4.4150
0.4860	1.6258	1.7968	1.9858	2.1947	2.4255	2.6806	2.9625	3.2741	3.6184	3.9989	4.4194
0.4870	1.6274	1.7986	1.9878	2.1969	2.4279	2.6833	2.9655	3.2773	3.6220	4.0029	4.4238
0.4880	1.6291	1.8004	1.9898	2.1991	2.4304	2.6860	2.9684	3.2806	3.6256	4.0069	4.4282
0.4890	1.6307	1.8022	1.9918	2.2013	2.4328	2.6886	2.9714	3.2839	3.6292	4.0109	4.4327
0.4900	1.6323	1.8040	1.9938	2.2035	2.4352	2.6913	2.9744	3.2872	3.6329	4.0149	4.4371
0.4910	1.6339	1.8058	1.9958	2.2057	2.4377	2.6940	2.9774	3.2905	3.6365	4.0189	4.4415
0.4920	1.6356	1.8076	1.9978	2.2079	2.4401	2.6967	2.9803	3.2938	3.6401	4.0229	4.4460
0.4930	1.6372	1.8094	1.9998	2.2101	2.4425	2.6994	2.9833	3.2971	3.6438	4.0270	4.4504
0.4940	1.6389	1.8113	2.0018	2.2123	2.4450	2.7021	2.9863	3.3003	3.6474	4.0310	4.4549
0.4950	1.6405	1.8131	2.0038	2.2145	2.4474	2.7048	2.9893	3.3037	3.6511	4.0350	4.4593
0.4960	1.6421	1.8149	2.0058	2.2167	2.4499	2.7075	2.9923	3.3070	3.6547	4.0391	4.4638
0.4970	1.6438	1.8167	2.0078	2.2190	2.4523	2.7102	2.9953	3.3103	3.6584	4.0431	4.4683
0.4980	1.6454	1.8185	2.0098	2.2212	2.4548	2.7130	2.9983	3.3136	3.6620	4.0471	4.4727
0.4990	1.6471	1.8203	2.0118	2.2234	2.4572	2.7157	3.0013	3.3169	3.6657	4.0512	4.4772
0.5000	1.6487	1.8222	2.0138	2.2256	2.4597	2.7184	3.0043	3.3202	3.6694	4.0552	4.4817
0.5010	1.6504	1.8240	2.0158	2.2278	2.4622	2.7211	3.0073	3.3235	3.6730	4.0593	4.4862
0.5020	1.6520	1.8258	2.0178	2.2301	2.4646	2.7238	3.0103	3.3269	3.6767	4.0634	4.4907
0.5030	1.6537	1.8276	2.0199	2.2323	2.4671	2.7266	3.0133	3.3302	3.6804	4.0674	4.4952
0.5040	1.6553	1.8295	2.0219	2.2345	2.4696	2.7293	3.0163	3.3335	3.6841	4.0715	4.4997
0.5050	1.6570	1.8313	2.0239	2.2368	2.4720	2.7320	3.0193	3.3369	3.6878	4.0756	4.5042
0.5060	1.6586	1.8331	2.0259	2.2390	2.4745	2.7347	3.0223	3.3402	3.6915	4.0796	4.5087
0.5070	1.6603	1.8350	2.0280	2.2413	2.4770	2.7375	3.0254	3.3435	3.6951	4.0837	4.5132
0.5080	1.6620	1.8368	2.0300	2.2435	2.4795	2.7402	3.0284	3.3469	3.6988	4.0878	4.5177
0.5090	1.6636	1.8386	2.0320	2.2457	2.4819	2.7430	3.0314	3.3502	3.7025	4.0919	4.5222
0.5100	1.6653	1.8405	2.0341	2.2480	2.4844	2.7457	3.0345	3.3536	3.7062	4.0960	4.5267
0.5110	1.6670	1.8423	2.0361	2.2502	2.4869	2.7485	3.0375	3.3569	3.7100	4.1001	4.5313
0.5120	1.6686	1.8441	2.0381	2.2525	2.4894	2.7512	3.0405	3.3603	3.7137	4.1042	4.5358
0.5130	1.6703	1.8460	2.0402	2.2547	2.4919	2.7540	3.0436	3.3637	3.7174	4.1083	4.5403
0.5140	1.6720	1.8478	2.0422	2.2570	2.4944	2.7567	3.0466	3.3670	3.7211	4.1124	4.5449
0.5150	1.6736	1.8497	2.0442	2.2593	2.4969	2.7595	3.0497	3.3704	3.7248	4.1165	4.5494
0.5160	1.6753	1.8515	2.0463	2.2615	2.4994	2.7622	3.0527	3.3738	3.7286	4.1206	4.5540
0.5170	1.6770	1.8534	2.0483	2.2638	2.5019	2.7650	3.0558	3.3771	3.7323	4.1248	4.5585
0.5180	1.6787	1.8552	2.0504	2.2660	2.5044	2.7678	3.0588	3.3805	3.7360	4.1289	4.5631
0.5190	1.6803	1.8571	2.0524	2.2683	2.5069	2.7705	3.0619	3.3839	3.7398	4.1330	4.5677
0.5200	1.6820	1.8590	2.0545	2.2706	2.5094	2.7733	3.0650	3.3873	3.7435	4.1372	4.5722
0.5210	1.6837	1.8608	2.0566	2.2729	2.5119	2.7761	3.0680	3.3907	3.7472	4.1413	4.5768
0.5220	1.6854	1.8627	2.0586	2.2751	2.5144	2.7789	3.0711	3.3941	3.7510	4.1454	4.5814
0.5230	1.6871	1.8645	2.0607	2.2774	2.5169	2.7816	3.0742	3.3975	3.7547	4.1496	4.5860
0.5240	1.6888	1.8664	2.0627	2.2797	2.5194	2.7844	3.0772	3.4009	3.7585	4.1537	4.5906
0.5250	1.6905	1.8683	2.0648	2.2820	2.5220	2.7872	3.0803	3.4043	3.7623	4.1579	4.5951
0.5260	1.6922	1.8701	2.0669	2.2842	2.5245	2.7900	3.0834	3.4077	3.7660	4.1621	4.5997
0.5270	1.6938	1.8720	2.0689	2.2865	2.5270	2.7928	3.0865	3.4111	3.7698	4.1662	4.6043
0.5280	1.6955	1.8739	2.0710	2.2888	2.5295	2.7956	3.0896	3.4145	3.7736	4.1704	4.6089
0.5290	1.6972	1.8758	2.0731	2.2911	2.5321	2.7984	3.0927	3.4179	3.7773	4.1746	4.6136
0.5300	1.6989	1.8776	2.0751	2.2934	2.5346	2.8012	3.0958	3.4213	3.7811	4.1787	4.6182
0.5310	1.7006	1.8795	2.0772	2.2957	2.5371	2.8040	3.0989	3.4247	3.7849	4.1829	4.6228

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.5320	1.7023	1.8814	2.0793	2.2980	2.5397	2.8068	3.1020	3.4282	3.7887	4.1871	4.6274
0.5330	1.7040	1.8833	2.0814	2.3003	2.5422	2.8096	3.1051	3.4316	3.7925	4.1913	4.6321
0.5340	1.7057	1.8852	2.0835	2.3026	2.5448	2.8124	3.1082	3.4350	3.7963	4.1955	4.6367
0.5350	1.7074	1.8871	2.0855	2.3049	2.5473	2.8152	3.1113	3.4385	3.8001	4.1997	4.6413
0.5360	1.7092	1.8889	2.0876	2.3072	2.5499	2.8180	3.1144	3.4419	3.8039	4.2039	4.6460
0.5370	1.7109	1.8908	2.0897	2.3095	2.5524	2.8209	3.1175	3.4454	3.8077	4.2081	4.6506
0.5380	1.7126	1.8927	2.0918	2.3118	2.5550	2.8237	3.1206	3.4488	3.8115	4.2123	4.6553
0.5390	1.7143	1.8946	2.0939	2.3141	2.5575	2.8265	3.1238	3.4523	3.8153	4.2165	4.6599
0.5400	1.7160	1.8965	2.0960	2.3165	2.5601	2.8293	3.1269	3.4557	3.8191	4.2207	4.6646
0.5410	1.7177	1.8984	2.0981	2.3188	2.5626	2.8322	3.1300	3.4592	3.8229	4.2250	4.6693
0.5420	1.7194	1.9003	2.1002	2.3211	2.5652	2.8350	3.1331	3.4626	3.8268	4.2292	4.6739
0.5430	1.7212	1.9022	2.1023	2.3234	2.5678	2.8378	3.1363	3.4661	3.8306	4.2334	4.6786
0.5440	1.7229	1.9041	2.1044	2.3257	2.5703	2.8407	3.1394	3.4696	3.8344	4.2377	4.6833
0.5450	1.7246	1.9060	2.1065	2.3281	2.5729	2.8435	3.1425	3.4730	3.8383	4.2419	4.6880
0.5460	1.7263	1.9079	2.1086	2.3304	2.5755	2.8464	3.1457	3.4765	3.8421	4.2461	4.6927
0.5470	1.7281	1.9098	2.1107	2.3327	2.5781	2.8492	3.1488	3.4800	3.8459	4.2504	4.6974
0.5480	1.7298	1.9117	2.1128	2.3351	2.5806	2.8521	3.1520	3.4835	3.8498	4.2546	4.7021
0.5490	1.7315	1.9137	2.1149	2.3374	2.5832	2.8549	3.1551	3.4870	3.8536	4.2589	4.7068
0.5500	1.7333	1.9156	2.1171	2.3397	2.5858	2.8578	3.1583	3.4904	3.8575	4.2632	4.7115
0.5510	1.7350	1.9175	2.1192	2.3421	2.5884	2.8606	3.1615	3.4939	3.8614	4.2674	4.7162
0.5520	1.7367	1.9194	2.1213	2.3444	2.5910	2.8635	3.1646	3.4974	3.8652	4.2717	4.7209
0.5530	1.7385	1.9213	2.1234	2.3468	2.5936	2.8663	3.1678	3.5009	3.8691	4.2760	4.7256
0.5540	1.7402	1.9233	2.1255	2.3491	2.5962	2.8692	3.1710	3.5044	3.8730	4.2802	4.7304
0.5550	1.7419	1.9252	2.1277	2.3515	2.5988	2.8721	3.1741	3.5079	3.8768	4.2845	4.7351
0.5560	1.7437	1.9271	2.1298	2.3538	2.6014	2.8750	3.1773	3.5114	3.8807	4.2888	4.7398
0.5570	1.7454	1.9290	2.1319	2.3562	2.6040	2.8778	3.1805	3.5150	3.8846	4.2931	4.7446
0.5580	1.7472	1.9310	2.1341	2.3585	2.6066	2.8807	3.1837	3.5185	3.8885	4.2974	4.7493
0.5590	1.7489	1.9329	2.1362	2.3609	2.6092	2.8836	3.1869	3.5220	3.8924	4.3017	4.7541
0.5600	1.7507	1.9348	2.1383	2.3632	2.6118	2.8865	3.1900	3.5255	3.8963	4.3060	4.7588
0.5610	1.7524	1.9368	2.1405	2.3656	2.6144	2.8894	3.1932	3.5290	3.9002	4.3103	4.7636
0.5620	1.7542	1.9387	2.1426	2.3680	2.6170	2.8923	3.1964	3.5326	3.9041	4.3146	4.7683
0.5630	1.7559	1.9406	2.1448	2.3703	2.6196	2.8952	3.1996	3.5361	3.9080	4.3189	4.7731
0.5640	1.7577	1.9426	2.1469	2.3727	2.6223	2.8981	3.2028	3.5397	3.9119	4.3233	4.7779
0.5650	1.7594	1.9445	2.1491	2.3751	2.6249	2.9010	3.2060	3.5432	3.9158	4.3276	4.7827
0.5660	1.7612	1.9465	2.1512	2.3775	2.6275	2.9039	3.2092	3.5467	3.9197	4.3319	4.7875
0.5670	1.7630	1.9484	2.1534	2.3798	2.6301	2.9068	3.2125	3.5503	3.9236	4.3363	4.7922
0.5680	1.7647	1.9504	2.1555	2.3822	2.6328	2.9097	3.2157	3.5538	3.9276	4.3406	4.7970
0.5690	1.7665	1.9523	2.1577	2.3846	2.6354	2.9126	3.2189	3.5574	3.9315	4.3449	4.8018
0.5700	1.7683	1.9543	2.1598	2.3870	2.6380	2.9155	3.2221	3.5610	3.9354	4.3493	4.8066
0.5710	1.7700	1.9562	2.1620	2.3894	2.6407	2.9184	3.2253	3.5645	3.9394	4.3536	4.8115
0.5720	1.7718	1.9582	2.1642	2.3918	2.6433	2.9213	3.2286	3.5681	3.9433	4.3580	4.8163
0.5730	1.7736	1.9601	2.1663	2.3942	2.6460	2.9243	3.2318	3.5717	3.9473	4.3623	4.8211
0.5740	1.7754	1.9621	2.1685	2.3966	2.6486	2.9272	3.2350	3.5752	3.9512	4.3667	4.8259
0.5750	1.7771	1.9641	2.1707	2.3990	2.6513	2.9301	3.2383	3.5788	3.9552	4.3711	4.8307
0.5760	1.7789	1.9660	2.1728	2.4014	2.6539	2.9330	3.2415	3.5824	3.9591	4.3755	4.8356
0.5770	1.7807	1.9680	2.1750	2.4038	2.6566	2.9360	3.2447	3.5860	3.9631	4.3798	4.8404
0.5780	1.7825	1.9700	2.1772	2.4062	2.6592	2.9389	3.2480	3.5896	3.9670	4.3842	4.8453
0.5790	1.7843	1.9719	2.1794	2.4086	2.6619	2.9418	3.2512	3.5931	3.9710	4.3886	4.8501
0.5800	1.7860	1.9739	2.1815	2.4110	2.6646	2.9448	3.2545	3.5967	3.9750	4.3930	4.8550
0.5810	1.7878	1.9759	2.1837	2.4134	2.6672	2.9477	3.2577	3.6003	3.9790	4.3974	4.8598
0.5820	1.7896	1.9779	2.1859	2.4158	2.6699	2.9507	3.2610	3.6039	3.9829	4.4018	4.8647

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.5830	1.7914	1.9798	2.1881	2.4182	2.6726	2.9536	3.2643	3.6075	3.9869	4.4062	4.8695
0.5840	1.7932	1.9818	2.1903	2.4207	2.6752	2.9566	3.2675	3.6112	3.9909	4.4106	4.8744
0.5850	1.7950	1.9838	2.1925	2.4231	2.6779	2.9596	3.2708	3.6148	3.9949	4.4150	4.8793
0.5860	1.7968	1.9858	2.1947	2.4255	2.6806	2.9625	3.2741	3.6184	3.9989	4.4194	4.8842
0.5870	1.7986	1.9878	2.1969	2.4279	2.6833	2.9655	3.2773	3.6220	4.0029	4.4239	4.8891
0.5880	1.8004	1.9898	2.1991	2.4304	2.6860	2.9684	3.2806	3.6256	4.0069	4.4283	4.8940
0.5890	1.8022	1.9918	2.2013	2.4328	2.6887	2.9714	3.2839	3.6293	4.0109	4.4327	4.8988
0.5900	1.8040	1.9938	2.2035	2.4352	2.6913	2.9744	3.2872	3.6329	4.0149	4.4371	4.9037
0.5910	1.8058	1.9957	2.2057	2.4377	2.6940	2.9774	3.2905	3.6365	4.0189	4.4416	4.9087
0.5920	1.8076	1.9977	2.2079	2.4401	2.6967	2.9803	3.2938	3.6402	4.0230	4.4460	4.9136
0.5930	1.8094	1.9997	2.2101	2.4425	2.6994	2.9833	3.2971	3.6438	4.0270	4.4505	4.9185
0.5940	1.8112	2.0017	2.2123	2.4450	2.7021	2.9863	3.3004	3.6475	4.0310	4.4549	4.9234
0.5950	1.8130	2.0037	2.2145	2.4474	2.7048	2.9893	3.3037	3.6511	4.0351	4.4594	4.9283
0.5960	1.8148	2.0058	2.2167	2.4499	2.7075	2.9923	3.3070	3.6548	4.0391	4.4638	4.9333
0.5970	1.8167	2.0078	2.2189	2.4523	2.7102	2.9953	3.3103	3.6584	4.0431	4.4683	4.9382
0.5980	1.8185	2.0098	2.2212	2.4548	2.7130	2.9983	3.3136	3.6621	4.0472	4.4728	4.9431
0.5990	1.8203	2.0118	2.2234	2.4572	2.7157	3.0013	3.3169	3.6657	4.0512	4.4773	4.9481
0.6000	1.8221	2.0138	2.2256	2.4597	2.7184	3.0043	3.3202	3.6694	4.0553	4.4817	4.9530
0.6010	1.8239	2.0158	2.2278	2.4622	2.7211	3.0073	3.3236	3.6731	4.0593	4.4862	4.9580
0.6020	1.8258	2.0178	2.2301	2.4646	2.7238	3.0103	3.3269	3.6767	4.0634	4.4907	4.9629
0.6030	1.8276	2.0198	2.2323	2.4671	2.7266	3.0133	3.3302	3.6804	4.0675	4.4952	4.9679
0.6040	1.8294	2.0219	2.2345	2.4696	2.7293	3.0163	3.3335	3.6841	4.0715	4.4997	4.9729
0.6050	1.8313	2.0239	2.2368	2.4720	2.7320	3.0193	3.3369	3.6878	4.0756	4.5042	4.9779
0.6060	1.8331	2.0259	2.2390	2.4745	2.7347	3.0224	3.3402	3.6915	4.0797	4.5087	4.9828
0.6070	1.8349	2.0279	2.2412	2.4770	2.7375	3.0254	3.3436	3.6952	4.0838	4.5132	4.9878
0.6080	1.8368	2.0300	2.2435	2.4795	2.7402	3.0284	3.3469	3.6989	4.0879	4.5177	4.9928
0.6090	1.8386	2.0320	2.2457	2.4819	2.7430	3.0314	3.3502	3.7026	4.0919	4.5223	4.9978
0.6100	1.8404	2.0340	2.2480	2.4844	2.7457	3.0345	3.3536	3.7063	4.0960	4.5268	5.0028
0.6110	1.8423	2.0361	2.2502	2.4869	2.7485	3.0375	3.3570	3.7100	4.1001	4.5313	5.0078
0.6120	1.8441	2.0381	2.2525	2.4894	2.7512	3.0405	3.3603	3.7137	4.1042	4.5358	5.0128
0.6130	1.8460	2.0401	2.2547	2.4919	2.7540	3.0436	3.3637	3.7174	4.1083	4.5404	5.0178
0.6140	1.8478	2.0422	2.2570	2.4944	2.7567	3.0466	3.3670	3.7211	4.1125	4.5449	5.0229
0.6150	1.8497	2.0442	2.2592	2.4969	2.7595	3.0497	3.3704	3.7249	4.1166	4.5495	5.0279
0.6160	1.8515	2.0463	2.2615	2.4994	2.7622	3.0527	3.3738	3.7286	4.1207	4.5540	5.0329
0.6170	1.8534	2.0483	2.2638	2.5019	2.7650	3.0558	3.3772	3.7323	4.1248	4.5586	5.0380
0.6180	1.8552	2.0504	2.2660	2.5044	2.7678	3.0588	3.3805	3.7360	4.1289	4.5631	5.0430
0.6190	1.8571	2.0524	2.2683	2.5069	2.7705	3.0619	3.3839	3.7398	4.1331	4.5677	5.0480
0.6200	1.8589	2.0545	2.2706	2.5094	2.7733	3.0650	3.3873	3.7435	4.1372	4.5723	5.0531
0.6210	1.8608	2.0565	2.2728	2.5119	2.7761	3.0680	3.3907	3.7473	4.1413	4.5768	5.0581
0.6220	1.8626	2.0586	2.2751	2.5144	2.7789	3.0711	3.3941	3.7510	4.1455	4.5814	5.0632
0.6230	1.8645	2.0606	2.2774	2.5169	2.7816	3.0742	3.3975	3.7548	4.1496	4.5860	5.0683
0.6240	1.8664	2.0627	2.2797	2.5194	2.7844	3.0773	3.4009	3.7585	4.1538	4.5906	5.0733
0.6250	1.8682	2.0648	2.2819	2.5220	2.7872	3.0803	3.4043	3.7623	4.1579	4.5952	5.0784
0.6260	1.8701	2.0668	2.2842	2.5245	2.7900	3.0834	3.4077	3.7661	4.1621	4.5998	5.0835
0.6270	1.8720	2.0689	2.2865	2.5270	2.7928	3.0865	3.4111	3.7698	4.1663	4.6044	5.0886
0.6280	1.8739	2.0710	2.2888	2.5295	2.7956	3.0896	3.4145	3.7736	4.1704	4.6090	5.0937
0.6290	1.8757	2.0730	2.2911	2.5321	2.7984	3.0927	3.4179	3.7774	4.1746	4.6136	5.0988
0.6300	1.8776	2.0751	2.2934	2.5346	2.8012	3.0958	3.4213	3.7812	4.1788	4.6182	5.1039
0.6310	1.8795	2.0772	2.2957	2.5371	2.8040	3.0989	3.4248	3.7849	4.1830	4.6228	5.1090
0.6320	1.8814	2.0793	2.2980	2.5397	2.8068	3.1020	3.4282	3.7887	4.1872	4.6275	5.1141
0.6330	1.8833	2.0814	2.3003	2.5422	2.8096	3.1051	3.4316	3.7925	4.1913	4.6321	5.1192

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.6340	1.8851	2.0834	2.3026	2.5448	2.8124	3.1082	3.4351	3.7963	4.1955	4.6367	5.1243
0.6350	1.8870	2.0855	2.3049	2.5473	2.8152	3.1113	3.4385	3.8001	4.1997	4.6414	5.1295
0.6360	1.8889	2.0876	2.3072	2.5499	2.8180	3.1144	3.4419	3.8039	4.2039	4.6460	5.1346
0.6370	1.8908	2.0897	2.3095	2.5524	2.8209	3.1175	3.4454	3.8077	4.2081	4.6507	5.1397
0.6380	1.8927	2.0918	2.3118	2.5550	2.8237	3.1206	3.4488	3.8115	4.2123	4.6553	5.1449
0.6390	1.8946	2.0939	2.3141	2.5575	2.8265	3.1238	3.4523	3.8153	4.2166	4.6600	5.1500
0.6400	1.8965	2.0960	2.3164	2.5601	2.8293	3.1269	3.4557	3.8192	4.2208	4.6646	5.1552
0.6410	1.8984	2.0981	2.3188	2.5626	2.8322	3.1300	3.4592	3.8230	4.2250	4.6693	5.1603
0.6420	1.9003	2.1002	2.3211	2.5652	2.8350	3.1331	3.4627	3.8268	4.2292	4.6740	5.1655
0.6430	1.9022	2.1023	2.3234	2.5678	2.8378	3.1363	3.4661	3.8306	4.2335	4.6787	5.1707
0.6440	1.9041	2.1044	2.3257	2.5703	2.8407	3.1394	3.4696	3.8345	4.2377	4.6833	5.1758
0.6450	1.9060	2.1065	2.3280	2.5729	2.8435	3.1426	3.4731	3.8383	4.2419	4.6880	5.1810
0.6460	1.9079	2.1086	2.3304	2.5755	2.8464	3.1457	3.4765	3.8421	4.2462	4.6927	5.1862
0.6470	1.9098	2.1107	2.3327	2.5781	2.8492	3.1489	3.4800	3.8460	4.2504	4.6974	5.1914
0.6480	1.9117	2.1128	2.3350	2.5806	2.8521	3.1520	3.4835	3.8498	4.2547	4.7021	5.1966
0.6490	1.9136	2.1149	2.3374	2.5832	2.8549	3.1552	3.4870	3.8537	4.2589	4.7068	5.2018
0.6500	1.9155	2.1170	2.3397	2.5858	2.8578	3.1583	3.4905	3.8575	4.2632	4.7115	5.2070
0.6510	1.9175	2.1192	2.3421	2.5884	2.8606	3.1615	3.4940	3.8614	4.2675	4.7162	5.2122
0.6520	1.9194	2.1213	2.3444	2.5910	2.8635	3.1646	3.4975	3.8653	4.2717	4.7210	5.2174
0.6530	1.9213	2.1234	2.3467	2.5936	2.8663	3.1678	3.5010	3.8691	4.2760	4.7257	5.2226
0.6540	1.9232	2.1255	2.3491	2.5962	2.8692	3.1710	3.5045	3.8730	4.2803	4.7304	5.2278
0.6550	1.9251	2.1277	2.3514	2.5988	2.8721	3.1741	3.5080	3.8769	4.2846	4.7351	5.2331
0.6560	1.9271	2.1298	2.3538	2.6014	2.8750	3.1773	3.5115	3.8808	4.2889	4.7399	5.2383
0.6570	1.9290	2.1319	2.3562	2.6040	2.8778	3.1805	3.5150	3.8846	4.2931	4.7446	5.2436
0.6580	1.9309	2.1340	2.3585	2.6066	2.8807	3.1837	3.5185	3.8885	4.2974	4.7494	5.2488
0.6590	1.9329	2.1362	2.3609	2.6092	2.8836	3.1869	3.5220	3.8924	4.3017	4.7541	5.2541
0.6600	1.9348	2.1383	2.3632	2.6118	2.8865	3.1901	3.5255	3.8963	4.3060	4.7589	5.2593
0.6610	1.9367	2.1405	2.3656	2.6144	2.8894	3.1932	3.5291	3.9002	4.3104	4.7636	5.2646
0.6620	1.9387	2.1426	2.3680	2.6170	2.8923	3.1964	3.5326	3.9041	4.3147	4.7684	5.2698
0.6630	1.9406	2.1447	2.3703	2.6196	2.8952	3.1996	3.5361	3.9080	4.3190	4.7732	5.2751
0.6640	1.9425	2.1469	2.3727	2.6223	2.8981	3.2028	3.5397	3.9119	4.3233	4.7779	5.2804
0.6650	1.9445	2.1490	2.3751	2.6249	2.9010	3.2060	3.5432	3.9158	4.3276	4.7827	5.2857
0.6660	1.9464	2.1512	2.3775	2.6275	2.9039	3.2093	3.5468	3.9198	4.3320	4.7875	5.2910
0.6670	1.9484	2.1533	2.3798	2.6301	2.9068	3.2125	3.5503	3.9237	4.3363	4.7923	5.2963
0.6680	1.9503	2.1555	2.3822	2.6328	2.9097	3.2157	3.5539	3.9276	4.3406	4.7971	5.3016
0.6690	1.9523	2.1576	2.3846	2.6354	2.9126	3.2189	3.5574	3.9315	4.3450	4.8019	5.3069
0.6700	1.9542	2.1598	2.3870	2.6380	2.9155	3.2221	3.5610	3.9355	4.3493	4.8067	5.3122
0.6710	1.9562	2.1620	2.3894	2.6407	2.9184	3.2253	3.5645	3.9394	4.3537	4.8115	5.3175
0.6720	1.9581	2.1641	2.3918	2.6433	2.9213	3.2286	3.5681	3.9433	4.3580	4.8163	5.3228
0.6730	1.9601	2.1663	2.3942	2.6460	2.9243	3.2318	3.5717	3.9473	4.3624	4.8211	5.3281
0.6740	1.9621	2.1685	2.3965	2.6486	2.9272	3.2350	3.5752	3.9512	4.3668	4.8260	5.3335
0.6750	1.9640	2.1706	2.3989	2.6513	2.9301	3.2383	3.5788	3.9552	4.3711	4.8308	5.3388
0.6760	1.9660	2.1728	2.4013	2.6539	2.9330	3.2415	3.5824	3.9591	4.3755	4.8356	5.3441
0.6770	1.9680	2.1750	2.4038	2.6566	2.9360	3.2448	3.5860	3.9631	4.3799	4.8405	5.3495
0.6780	1.9699	2.1772	2.4062	2.6592	2.9389	3.2480	3.5896	3.9671	4.3843	4.8453	5.3548
0.6790	1.9719	2.1793	2.4086	2.6619	2.9419	3.2512	3.5932	3.9710	4.3886	4.8502	5.3602
0.6800	1.9739	2.1815	2.4110	2.6646	2.9448	3.2545	3.5968	3.9750	4.3930	4.8550	5.3656
0.6810	1.9759	2.1837	2.4134	2.6672	2.9477	3.2578	3.6004	3.9790	4.3974	4.8599	5.3709
0.6820	1.9778	2.1859	2.4158	2.6699	2.9507	3.2610	3.6040	3.9830	4.4018	4.8647	5.3763
0.6830	1.9798	2.1881	2.4182	2.6726	2.9536	3.2643	3.6076	3.9870	4.4062	4.8696	5.3817
0.6840	1.9818	2.1903	2.4206	2.6752	2.9566	3.2675	3.6112	3.9909	4.4106	4.8745	5.3871

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.6850	1.9838	2.1924	2.4231	2.6779	2.9596	3.2708	3.6148	3.9949	4.4151	4.8793	5.3925
0.6860	1.9858	2.1946	2.4255	2.6806	2.9625	3.2741	3.6184	3.9989	4.4195	4.8842	5.3978
0.6870	1.9877	2.1968	2.4279	2.6833	2.9655	3.2774	3.6220	4.0029	4.4239	4.8891	5.4032
0.6880	1.9897	2.1990	2.4303	2.6860	2.9684	3.2806	3.6257	4.0069	4.4283	4.8940	5.4087
0.6890	1.9917	2.2012	2.4328	2.6886	2.9714	3.2839	3.6293	4.0110	4.4328	4.8989	5.4141
0.6900	1.9937	2.2034	2.4352	2.6913	2.9744	3.2872	3.6329	4.0150	4.4372	4.9038	5.4195
0.6910	1.9957	2.2056	2.4376	2.6940	2.9774	3.2905	3.6365	4.0190	4.4416	4.9087	5.4249
0.6920	1.9977	2.2078	2.4401	2.6967	2.9803	3.2938	3.6402	4.0230	4.4461	4.9136	5.4303
0.6930	1.9997	2.2101	2.4425	2.6994	2.9833	3.2971	3.6438	4.0270	4.4505	4.9185	5.4358
0.6940	2.0017	2.2123	2.4450	2.7021	2.9863	3.3004	3.6475	4.0311	4.4550	4.9235	5.4412
0.6950	2.0037	2.2145	2.4474	2.7048	2.9893	3.3037	3.6511	4.0351	4.4594	4.9284	5.4466
0.6960	2.0057	2.2167	2.4499	2.7075	2.9923	3.3070	3.6548	4.0391	4.4639	4.9333	5.4521
0.6970	2.0077	2.2189	2.4523	2.7102	2.9953	3.3103	3.6584	4.0432	4.4684	4.9382	5.4576
0.6980	2.0097	2.2211	2.4548	2.7130	2.9983	3.3136	3.6621	4.0472	4.4728	4.9432	5.4630
0.6990	2.0117	2.2234	2.4572	2.7157	3.0013	3.3169	3.6658	4.0513	4.4773	4.9481	5.4685
0.7000	2.0138	2.2256	2.4597	2.7184	3.0043	3.3202	3.6694	4.0553	4.4818	4.9531	5.4739
0.7010	2.0158	2.2278	2.4621	2.7211	3.0073	3.3236	3.6731	4.0594	4.4863	4.9580	5.4794
0.7020	2.0178	2.2300	2.4646	2.7238	3.0103	3.3269	3.6768	4.0634	4.4908	4.9630	5.4849
0.7030	2.0198	2.2323	2.4671	2.7265	3.0133	3.3302	3.6804	4.0675	4.4952	4.9680	5.4904
0.7040	2.0218	2.2345	2.4695	2.7293	3.0163	3.3336	3.6841	4.0716	4.4997	4.9729	5.4959
0.7050	2.0238	2.2367	2.4720	2.7320	3.0193	3.3369	3.6878	4.0756	4.5042	4.9779	5.5014
0.7060	2.0259	2.2390	2.4745	2.7347	3.0224	3.3402	3.6915	4.0797	4.5088	4.9829	5.5069
0.7070	2.0279	2.2412	2.4770	2.7375	3.0254	3.3436	3.6952	4.0838	4.5133	4.9879	5.5124
0.7080	2.0299	2.2435	2.4794	2.7402	3.0284	3.3469	3.6989	4.0879	4.5178	4.9929	5.5179
0.7090	2.0320	2.2457	2.4819	2.7430	3.0314	3.3503	3.7026	4.0920	4.5223	4.9979	5.5234
0.7100	2.0340	2.2479	2.4844	2.7457	3.0345	3.3536	3.7063	4.0961	4.5268	5.0029	5.5290
0.7110	2.0360	2.2502	2.4869	2.7484	3.0375	3.3570	3.7100	4.1002	4.5314	5.0079	5.5345
0.7120	2.0381	2.2524	2.4894	2.7512	3.0406	3.3603	3.7137	4.1043	4.5359	5.0129	5.5400
0.7130	2.0401	2.2547	2.4919	2.7540	3.0436	3.3637	3.7174	4.1084	4.5404	5.0179	5.5456
0.7140	2.0421	2.2570	2.4944	2.7567	3.0466	3.3671	3.7212	4.1125	4.5450	5.0229	5.5511
0.7150	2.0442	2.2592	2.4969	2.7595	3.0497	3.3704	3.7249	4.1166	4.5495	5.0279	5.5567
0.7160	2.0462	2.2615	2.4993	2.7622	3.0527	3.3738	3.7286	4.1207	4.5541	5.0330	5.5622
0.7170	2.0483	2.2637	2.5018	2.7650	3.0558	3.3772	3.7323	4.1248	4.5586	5.0380	5.5678
0.7180	2.0503	2.2660	2.5044	2.7678	3.0589	3.3806	3.7361	4.1290	4.5632	5.0430	5.5734
0.7190	2.0524	2.2683	2.5069	2.7705	3.0619	3.3839	3.7398	4.1331	4.5677	5.0481	5.5789
0.7200	2.0544	2.2705	2.5094	2.7733	3.0650	3.3873	3.7436	4.1372	4.5723	5.0531	5.5845
0.7210	2.0565	2.2728	2.5119	2.7761	3.0680	3.3907	3.7473	4.1414	4.5769	5.0582	5.5901
0.7220	2.0585	2.2751	2.5144	2.7788	3.0711	3.3941	3.7510	4.1455	4.5815	5.0633	5.5957
0.7230	2.0606	2.2774	2.5169	2.7816	3.0742	3.3975	3.7548	4.1497	4.5861	5.0683	5.6013
0.7240	2.0627	2.2796	2.5194	2.7844	3.0773	3.4009	3.7586	4.1538	4.5906	5.0734	5.6069
0.7250	2.0647	2.2819	2.5219	2.7872	3.0803	3.4043	3.7623	4.1580	4.5952	5.0785	5.6125
0.7260	2.0668	2.2842	2.5245	2.7900	3.0834	3.4077	3.7661	4.1621	4.5998	5.0836	5.6181
0.7270	2.0689	2.2865	2.5270	2.7928	3.0865	3.4111	3.7698	4.1663	4.6044	5.0886	5.6238
0.7280	2.0709	2.2888	2.5295	2.7956	3.0896	3.4145	3.7736	4.1705	4.6090	5.0937	5.6294
0.7290	2.0730	2.2911	2.5321	2.7984	3.0927	3.4179	3.7774	4.1746	4.6137	5.0988	5.6350
0.7300	2.0751	2.2934	2.5346	2.8012	3.0958	3.4214	3.7812	4.1788	4.6183	5.1039	5.6407
0.7310	2.0772	2.2957	2.5371	2.8040	3.0989	3.4248	3.7850	4.1830	4.6229	5.1090	5.6463
0.7320	2.0792	2.2980	2.5397	2.8068	3.1020	3.4282	3.7887	4.1872	4.6275	5.1141	5.6519
0.7330	2.0813	2.3003	2.5422	2.8096	3.1051	3.4316	3.7925	4.1914	4.6321	5.1193	5.6576
0.7340	2.0834	2.3026	2.5447	2.8124	3.1082	3.4351	3.7963	4.1956	4.6368	5.1244	5.6633
0.7350	2.0855	2.3049	2.5473	2.8152	3.1113	3.4385	3.8001	4.1998	4.6414	5.1295	5.6689

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.7360	2.0876	2.3072	2.5498	2.8180	3.1144	3.4420	3.8039	4.2040	4.6461	5.1346	5.6746
0.7370	2.0897	2.3095	2.5524	2.8208	3.1175	3.4454	3.8077	4.2082	4.6507	5.1398	5.6803
0.7380	2.0917	2.3118	2.5549	2.8237	3.1206	3.4488	3.8115	4.2124	4.6554	5.1449	5.6860
0.7390	2.0938	2.3141	2.5575	2.8265	3.1238	3.4523	3.8154	4.2166	4.6600	5.1501	5.6916
0.7400	2.0959	2.3164	2.5601	2.8293	3.1269	3.4557	3.8192	4.2208	4.6647	5.1552	5.6973
0.7410	2.0980	2.3187	2.5626	2.8322	3.1300	3.4592	3.8230	4.2250	4.6694	5.1604	5.7030
0.7420	2.1001	2.3210	2.5652	2.8350	3.1332	3.4627	3.8268	4.2293	4.6740	5.1655	5.7087
0.7430	2.1022	2.3234	2.5678	2.8378	3.1363	3.4661	3.8307	4.2335	4.6787	5.1707	5.7145
0.7440	2.1043	2.3257	2.5703	2.8407	3.1394	3.4696	3.8345	4.2377	4.6834	5.1759	5.7202
0.7450	2.1064	2.3280	2.5729	2.8435	3.1426	3.4731	3.8383	4.2420	4.6881	5.1811	5.7259
0.7460	2.1085	2.3303	2.5755	2.8463	3.1457	3.4765	3.8422	4.2462	4.6928	5.1862	5.7316
0.7470	2.1107	2.3327	2.5780	2.8492	3.1489	3.4800	3.8460	4.2505	4.6975	5.1914	5.7374
0.7480	2.1128	2.3350	2.5806	2.8520	3.1520	3.4835	3.8499	4.2547	4.7022	5.1966	5.7431
0.7490	2.1149	2.3374	2.5832	2.8549	3.1552	3.4870	3.8537	4.2590	4.7069	5.2018	5.7489
0.7500	2.1170	2.3397	2.5858	2.8578	3.1583	3.4905	3.8576	4.2632	4.7116	5.2070	5.7546
0.7510	2.1191	2.3420	2.5884	2.8606	3.1615	3.4940	3.8614	4.2675	4.7163	5.2122	5.7604
0.7520	2.1212	2.3444	2.5910	2.8635	3.1646	3.4975	3.8653	4.2718	4.7210	5.2175	5.7661
0.7530	2.1234	2.3467	2.5936	2.8663	3.1678	3.5010	3.8691	4.2760	4.7257	5.2227	5.7719
0.7540	2.1255	2.3491	2.5962	2.8692	3.1710	3.5045	3.8730	4.2803	4.7305	5.2279	5.7777
0.7550	2.1276	2.3514	2.5987	2.8721	3.1741	3.5080	3.8769	4.2846	4.7352	5.2331	5.7834
0.7560	2.1297	2.3538	2.6013	2.8750	3.1773	3.5115	3.8808	4.2889	4.7399	5.2384	5.7892
0.7570	2.1319	2.3561	2.6040	2.8778	3.1805	3.5150	3.8847	4.2932	4.7447	5.2436	5.7950
0.7580	2.1340	2.3585	2.6066	2.8807	3.1837	3.5185	3.8885	4.2975	4.7494	5.2489	5.8008
0.7590	2.1361	2.3608	2.6092	2.8836	3.1869	3.5220	3.8924	4.3018	4.7542	5.2541	5.8066
0.7600	2.1383	2.3632	2.6118	2.8865	3.1901	3.5256	3.8963	4.3061	4.7589	5.2594	5.8124
0.7610	2.1404	2.3656	2.6144	2.8894	3.1933	3.5291	3.9002	4.3104	4.7637	5.2646	5.8183
0.7620	2.1426	2.3679	2.6170	2.8923	3.1964	3.5326	3.9041	4.3147	4.7684	5.2699	5.8241
0.7630	2.1447	2.3703	2.6196	2.8951	3.1996	3.5361	3.9080	4.3190	4.7732	5.2752	5.8299
0.7640	2.1468	2.3727	2.6222	2.8980	3.2028	3.5397	3.9119	4.3233	4.7780	5.2804	5.8357
0.7650	2.1490	2.3750	2.6249	2.9009	3.2060	3.5432	3.9159	4.3277	4.7828	5.2857	5.8416
0.7660	2.1511	2.3774	2.6275	2.9038	3.2093	3.5468	3.9198	4.3320	4.7876	5.2910	5.8474
0.7670	2.1533	2.3798	2.6301	2.9068	3.2125	3.5503	3.9237	4.3363	4.7923	5.2963	5.8533
0.7680	2.1555	2.3822	2.6328	2.9097	3.2157	3.5539	3.9276	4.3407	4.7971	5.3016	5.8591
0.7690	2.1576	2.3846	2.6354	2.9126	3.2189	3.5574	3.9316	4.3450	4.8019	5.3069	5.8650
0.7700	2.1598	2.3870	2.6380	2.9155	3.2221	3.5610	3.9355	4.3494	4.8067	5.3122	5.8709
0.7710	2.1619	2.3893	2.6407	2.9184	3.2253	3.5646	3.9394	4.3537	4.8116	5.3175	5.8767
0.7720	2.1641	2.3917	2.6433	2.9213	3.2286	3.5681	3.9434	4.3581	4.8164	5.3229	5.8826
0.7730	2.1663	2.3941	2.6459	2.9242	3.2318	3.5717	3.9473	4.3624	4.8212	5.3282	5.8885
0.7740	2.1684	2.3965	2.6486	2.9272	3.2350	3.5753	3.9513	4.3668	4.8260	5.3335	5.8944
0.7750	2.1706	2.3989	2.6512	2.9301	3.2383	3.5788	3.9552	4.3712	4.8308	5.3389	5.9003
0.7760	2.1728	2.4013	2.6539	2.9330	3.2415	3.5824	3.9592	4.3755	4.8357	5.3442	5.9062
0.7770	2.1749	2.4037	2.6566	2.9360	3.2448	3.5860	3.9631	4.3799	4.8405	5.3495	5.9121
0.7780	2.1771	2.4061	2.6592	2.9389	3.2480	3.5896	3.9671	4.3843	4.8454	5.3549	5.9180
0.7790	2.1793	2.4085	2.6619	2.9418	3.2512	3.5932	3.9711	4.3887	4.8502	5.3603	5.9239
0.7800	2.1815	2.4109	2.6645	2.9448	3.2545	3.5968	3.9750	4.3931	4.8551	5.3656	5.9299
0.7810	2.1837	2.4134	2.6672	2.9477	3.2578	3.6004	3.9790	4.3975	4.8599	5.3710	5.9358
0.7820	2.1858	2.4158	2.6699	2.9507	3.2610	3.6040	3.9830	4.4019	4.8648	5.3764	5.9417
0.7830	2.1880	2.4182	2.6725	2.9536	3.2643	3.6076	3.9870	4.4063	4.8696	5.3817	5.9477
0.7840	2.1902	2.4206	2.6752	2.9566	3.2675	3.6112	3.9910	4.4107	4.8745	5.3871	5.9536
0.7850	2.1924	2.4230	2.6779	2.9595	3.2708	3.6148	3.9950	4.4151	4.8794	5.3925	5.9596
0.7860	2.1946	2.4255	2.6806	2.9625	3.2741	3.6184	3.9990	4.4195	4.8843	5.3979	5.9655

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.7870	2.1968	2.4279	2.6833	2.9655	3.2774	3.6220	4.0030	4.4239	4.8892	5.4033	5.9715
0.7880	2.1990	2.4303	2.6859	2.9684	3.2806	3.6257	4.0070	4.4284	4.8941	5.4087	5.9775
0.7890	2.2012	2.4327	2.6886	2.9714	3.2839	3.6293	4.0110	4.4328	4.8989	5.4141	5.9835
0.7900	2.2034	2.4352	2.6913	2.9744	3.2872	3.6329	4.0150	4.4372	4.9038	5.4195	5.9895
0.7910	2.2056	2.4376	2.6940	2.9774	3.2905	3.6366	4.0190	4.4417	4.9088	5.4250	5.9954
0.7920	2.2078	2.4400	2.6967	2.9803	3.2938	3.6402	4.0230	4.4461	4.9137	5.4304	6.0014
0.7930	2.2100	2.4425	2.6994	2.9833	3.2971	3.6438	4.0271	4.4506	4.9186	5.4358	6.0074
0.7940	2.2122	2.4449	2.7021	2.9863	3.3004	3.6475	4.0311	4.4550	4.9235	5.4413	6.0135
0.7950	2.2144	2.4474	2.7048	2.9893	3.3037	3.6511	4.0351	4.4595	4.9284	5.4467	6.0195
0.7960	2.2167	2.4498	2.7075	2.9923	3.3070	3.6548	4.0392	4.4639	4.9334	5.4522	6.0255
0.7970	2.2189	2.4523	2.7102	2.9953	3.3103	3.6584	4.0432	4.4684	4.9383	5.4576	6.0315
0.7980	2.2211	2.4547	2.7129	2.9983	3.3136	3.6621	4.0472	4.4729	4.9432	5.4631	6.0376
0.7990	2.2233	2.4572	2.7156	3.0013	3.3169	3.6658	4.0513	4.4773	4.9482	5.4685	6.0436
0.8000	2.2255	2.4596	2.7184	3.0043	3.3202	3.6694	4.0553	4.4818	4.9531	5.4740	6.0496
0.8010	2.2278	2.4621	2.7211	3.0073	3.3236	3.6731	4.0594	4.4863	4.9581	5.4795	6.0557
0.8020	2.2300	2.4646	2.7238	3.0103	3.3269	3.6768	4.0635	4.4908	4.9631	5.4850	6.0618
0.8030	2.2322	2.4670	2.7265	3.0133	3.3302	3.6805	4.0675	4.4953	4.9680	5.4905	6.0678
0.8040	2.2345	2.4695	2.7293	3.0163	3.3336	3.6841	4.0716	4.4998	4.9730	5.4959	6.0739
0.8050	2.2367	2.4720	2.7320	3.0193	3.3369	3.6878	4.0757	4.5043	4.9780	5.5014	6.0800
0.8060	2.2389	2.4745	2.7347	3.0224	3.3402	3.6915	4.0797	4.5088	4.9829	5.5069	6.0861
0.8070	2.2412	2.4769	2.7375	3.0254	3.3436	3.6952	4.0838	4.5133	4.9879	5.5125	6.0921
0.8080	2.2434	2.4794	2.7402	3.0284	3.3469	3.6989	4.0879	4.5178	4.9929	5.5180	6.0982
0.8090	2.2457	2.4819	2.7429	3.0314	3.3503	3.7026	4.0920	4.5223	4.9979	5.5235	6.1043
0.8100	2.2479	2.4844	2.7457	3.0345	3.3536	3.7063	4.0961	4.5269	5.0029	5.5290	6.1104
0.8110	2.2502	2.4869	2.7484	3.0375	3.3570	3.7100	4.1002	4.5314	5.0079	5.5346	6.1166
0.8120	2.2524	2.4893	2.7512	3.0405	3.3603	3.7137	4.1043	4.5359	5.0129	5.5401	6.1227
0.8130	2.2547	2.4918	2.7539	3.0436	3.3637	3.7175	4.1084	4.5405	5.0179	5.5456	6.1288
0.8140	2.2569	2.4943	2.7567	3.0466	3.3671	3.7212	4.1125	4.5450	5.0230	5.5512	6.1349
0.8150	2.2592	2.4968	2.7594	3.0497	3.3704	3.7249	4.1166	4.5496	5.0280	5.5567	6.1411
0.8160	2.2614	2.4993	2.7622	3.0527	3.3738	3.7286	4.1207	4.5541	5.0330	5.5623	6.1472
0.8170	2.2637	2.5018	2.7650	3.0558	3.3772	3.7324	4.1249	4.5587	5.0381	5.5679	6.1534
0.8180	2.2660	2.5043	2.7677	3.0588	3.3806	3.7361	4.1290	4.5632	5.0431	5.5734	6.1595
0.8190	2.2682	2.5068	2.7705	3.0619	3.3839	3.7398	4.1331	4.5678	5.0481	5.5790	6.1657
0.8200	2.2705	2.5093	2.7733	3.0650	3.3873	3.7436	4.1373	4.5724	5.0532	5.5846	6.1719
0.8210	2.2728	2.5118	2.7761	3.0680	3.3907	3.7473	4.1414	4.5769	5.0582	5.5902	6.1780
0.8220	2.2750	2.5144	2.7788	3.0711	3.3941	3.7511	4.1455	4.5815	5.0633	5.5958	6.1842
0.8230	2.2773	2.5169	2.7816	3.0742	3.3975	3.7548	4.1497	4.5861	5.0684	5.6014	6.1904
0.8240	2.2796	2.5194	2.7844	3.0773	3.4009	3.7586	4.1538	4.5907	5.0734	5.6070	6.1966
0.8250	2.2819	2.5219	2.7872	3.0803	3.4043	3.7623	4.1580	4.5953	5.0785	5.6126	6.2028
0.8260	2.2842	2.5244	2.7900	3.0834	3.4077	3.7661	4.1622	4.5999	5.0836	5.6182	6.2090
0.8270	2.2864	2.5270	2.7928	3.0865	3.4111	3.7699	4.1663	4.6045	5.0887	5.6238	6.2152
0.8280	2.2887	2.5295	2.7956	3.0896	3.4145	3.7736	4.1705	4.6091	5.0938	5.6294	6.2214
0.8290	2.2910	2.5320	2.7984	3.0927	3.4179	3.7774	4.1747	4.6137	5.0989	5.6351	6.2277
0.8300	2.2933	2.5346	2.8012	3.0958	3.4214	3.7812	4.1788	4.6183	5.1040	5.6407	6.2339
0.8310	2.2956	2.5371	2.8040	3.0989	3.4248	3.7850	4.1830	4.6229	5.1091	5.6464	6.2401
0.8320	2.2979	2.5396	2.8068	3.1020	3.4282	3.7888	4.1872	4.6276	5.1142	5.6520	6.2464
0.8330	2.3002	2.5422	2.8096	3.1051	3.4316	3.7925	4.1914	4.6322	5.1193	5.6577	6.2526
0.8340	2.3025	2.5447	2.8124	3.1082	3.4351	3.7963	4.1956	4.6368	5.1244	5.6633	6.2589
0.8350	2.3048	2.5473	2.8152	3.1113	3.4385	3.8001	4.1998	4.6415	5.1296	5.6690	6.2651
0.8360	2.3071	2.5498	2.8180	3.1144	3.4420	3.8039	4.2040	4.6461	5.1347	5.6747	6.2714
0.8370	2.3094	2.5524	2.8208	3.1175	3.4454	3.8077	4.2082	4.6508	5.1398	5.6803	6.2777

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.8380	2.3117	2.5549	2.8236	3.1206	3.4488	3.8116	4.2124	4.6554	5.1450	5.6860	6.2840
0.8390	2.3141	2.5575	2.8265	3.1238	3.4523	3.8154	4.2166	4.6601	5.1501	5.6917	6.2902
0.8400	2.3164	2.5600	2.8293	3.1269	3.4557	3.8192	4.2208	4.6647	5.1553	5.6974	6.2965
0.8410	2.3187	2.5626	2.8321	3.1300	3.4592	3.8230	4.2251	4.6694	5.1604	5.7031	6.3028
0.8420	2.3210	2.5652	2.8350	3.1331	3.4627	3.8268	4.2293	4.6741	5.1656	5.7088	6.3091
0.8430	2.3233	2.5677	2.8378	3.1363	3.4661	3.8307	4.2335	4.6787	5.1708	5.7145	6.3155
0.8440	2.3257	2.5703	2.8406	3.1394	3.4696	3.8345	4.2378	4.6834	5.1759	5.7202	6.3218
0.8450	2.3280	2.5729	2.8435	3.1426	3.4731	3.8383	4.2420	4.6881	5.1811	5.7260	6.3281
0.8460	2.3303	2.5754	2.8463	3.1457	3.4765	3.8422	4.2462	4.6928	5.1863	5.7317	6.3344
0.8470	2.3326	2.5780	2.8492	3.1488	3.4800	3.8460	4.2505	4.6975	5.1915	5.7374	6.3408
0.8480	2.3350	2.5806	2.8520	3.1520	3.4835	3.8499	4.2547	4.7022	5.1967	5.7432	6.3471
0.8490	2.3373	2.5832	2.8549	3.1552	3.4870	3.8537	4.2590	4.7069	5.2019	5.7489	6.3535
0.8500	2.3396	2.5858	2.8577	3.1583	3.4905	3.8576	4.2633	4.7116	5.2071	5.7547	6.3598
0.8510	2.3420	2.5883	2.8606	3.1615	3.4940	3.8614	4.2675	4.7163	5.2123	5.7604	6.3662
0.8520	2.3443	2.5909	2.8635	3.1646	3.4975	3.8653	4.2718	4.7210	5.2175	5.7662	6.3726
0.8530	2.3467	2.5935	2.8663	3.1678	3.5010	3.8692	4.2761	4.7258	5.2227	5.7720	6.3789
0.8540	2.3490	2.5961	2.8692	3.1710	3.5045	3.8730	4.2803	4.7305	5.2280	5.7777	6.3853
0.8550	2.3514	2.5987	2.8721	3.1741	3.5080	3.8769	4.2846	4.7352	5.2332	5.7835	6.3917
0.8560	2.3537	2.6013	2.8749	3.1773	3.5115	3.8808	4.2889	4.7400	5.2384	5.7893	6.3981
0.8570	2.3561	2.6039	2.8778	3.1805	3.5150	3.8847	4.2932	4.7447	5.2437	5.7951	6.4045
0.8580	2.3584	2.6065	2.8807	3.1837	3.5185	3.8886	4.2975	4.7494	5.2489	5.8009	6.4109
0.8590	2.3608	2.6091	2.8836	3.1869	3.5220	3.8924	4.3018	4.7542	5.2542	5.8067	6.4173
0.8600	2.3632	2.6117	2.8865	3.1901	3.5256	3.8963	4.3061	4.7590	5.2594	5.8125	6.4237
0.8610	2.3655	2.6144	2.8893	3.1932	3.5291	3.9002	4.3104	4.7637	5.2647	5.8183	6.4302
0.8620	2.3679	2.6170	2.8922	3.1964	3.5326	3.9041	4.3147	4.7685	5.2699	5.8241	6.4366
0.8630	2.3703	2.6196	2.8951	3.1996	3.5362	3.9080	4.3190	4.7733	5.2752	5.8300	6.4430
0.8640	2.3726	2.6222	2.8980	3.2028	3.5397	3.9120	4.3234	4.7780	5.2805	5.8358	6.4495
0.8650	2.3750	2.6248	2.9009	3.2060	3.5432	3.9159	4.3277	4.7828	5.2858	5.8416	6.4559
0.8660	2.3774	2.6275	2.9038	3.2092	3.5468	3.9198	4.3320	4.7876	5.2911	5.8475	6.4624
0.8670	2.3798	2.6301	2.9067	3.2125	3.5503	3.9237	4.3364	4.7924	5.2964	5.8533	6.4689
0.8680	2.3821	2.6327	2.9096	3.2157	3.5539	3.9276	4.3407	4.7972	5.3017	5.8592	6.4753
0.8690	2.3845	2.6354	2.9126	3.2189	3.5574	3.9316	4.3450	4.8020	5.3070	5.8650	6.4818
0.8700	2.3869	2.6380	2.9155	3.2221	3.5610	3.9355	4.3494	4.8068	5.3123	5.8709	6.4883
0.8710	2.3893	2.6406	2.9184	3.2253	3.5646	3.9394	4.3537	4.8116	5.3176	5.8768	6.4948
0.8720	2.3917	2.6433	2.9213	3.2286	3.5681	3.9434	4.3581	4.8164	5.3229	5.8827	6.5013
0.8730	2.3941	2.6459	2.9242	3.2318	3.5717	3.9473	4.3625	4.8212	5.3282	5.8886	6.5078
0.8740	2.3965	2.6486	2.9272	3.2350	3.5753	3.9513	4.3668	4.8261	5.3336	5.8944	6.5143
0.8750	2.3989	2.6512	2.9301	3.2383	3.5788	3.9552	4.3712	4.8309	5.3389	5.9003	6.5208
0.8760	2.4013	2.6539	2.9330	3.2415	3.5824	3.9592	4.3756	4.8357	5.3442	5.9062	6.5273
0.8770	2.4037	2.6565	2.9359	3.2447	3.5860	3.9631	4.3799	4.8406	5.3496	5.9122	6.5339
0.8780	2.4061	2.6592	2.9389	3.2480	3.5896	3.9671	4.3843	4.8454	5.3549	5.9181	6.5404
0.8790	2.4085	2.6618	2.9418	3.2512	3.5932	3.9711	4.3887	4.8502	5.3603	5.9240	6.5470
0.8800	2.4109	2.6645	2.9448	3.2545	3.5968	3.9751	4.3931	4.8551	5.3657	5.9299	6.5535
0.8810	2.4133	2.6672	2.9477	3.2578	3.6004	3.9790	4.3975	4.8600	5.3710	5.9359	6.5601
0.8820	2.4157	2.6698	2.9507	3.2610	3.6040	3.9830	4.4019	4.8648	5.3764	5.9418	6.5666
0.8830	2.4181	2.6725	2.9536	3.2643	3.6076	3.9870	4.4063	4.8697	5.3818	5.9477	6.5732
0.8840	2.4206	2.6752	2.9566	3.2675	3.6112	3.9910	4.4107	4.8746	5.3872	5.9537	6.5798
0.8850	2.4230	2.6779	2.9595	3.2708	3.6148	3.9950	4.4151	4.8794	5.3926	5.9596	6.5864
0.8860	2.4254	2.6805	2.9625	3.2741	3.6184	3.9990	4.4195	4.8843	5.3980	5.9656	6.5929
0.8870	2.4278	2.6832	2.9655	3.2774	3.6220	4.0030	4.4240	4.8892	5.4034	5.9716	6.5995
0.8880	2.4303	2.6859	2.9684	3.2806	3.6257	4.0070	4.4284	4.8941	5.4088	5.9776	6.6061

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.8890	2.4327	2.6886	2.9714	3.2839	3.6293	4.0110	4.4328	4.8990	5.4142	5.9835	6.6128
0.8900	2.4351	2.6913	2.9744	3.2872	3.6329	4.0150	4.4372	4.9039	5.4196	5.9895	6.6194
0.8910	2.4376	2.6940	2.9773	3.2905	3.6366	4.0190	4.4417	4.9088	5.4250	5.9955	6.6260
0.8920	2.4400	2.6967	2.9803	3.2938	3.6402	4.0230	4.4461	4.9137	5.4304	6.0015	6.6326
0.8930	2.4424	2.6994	2.9833	3.2971	3.6438	4.0271	4.4506	4.9186	5.4359	6.0075	6.6393
0.8940	2.4449	2.7021	2.9863	3.3004	3.6475	4.0311	4.4550	4.9235	5.4413	6.0135	6.6459
0.8950	2.4473	2.7048	2.9893	3.3037	3.6511	4.0351	4.4595	4.9285	5.4468	6.0195	6.6525
0.8960	2.4498	2.7075	2.9923	3.3070	3.6548	4.0392	4.4640	4.9334	5.4522	6.0256	6.6592
0.8970	2.4522	2.7102	2.9953	3.3103	3.6584	4.0432	4.4684	4.9383	5.4577	6.0316	6.6659
0.8980	2.4547	2.7129	2.9983	3.3136	3.6621	4.0473	4.4729	4.9433	5.4631	6.0376	6.6725
0.8990	2.4571	2.7156	3.0013	3.3169	3.6658	4.0513	4.4774	4.9482	5.4686	6.0437	6.6792
0.9000	2.4596	2.7183	3.0043	3.3202	3.6694	4.0554	4.4818	4.9532	5.4741	6.0497	6.6859
0.9010	2.4621	2.7211	3.0073	3.3236	3.6731	4.0594	4.4863	4.9581	5.4795	6.0558	6.6926
0.9020	2.4645	2.7238	3.0103	3.3269	3.6768	4.0635	4.4908	4.9631	5.4850	6.0618	6.6993
0.9030	2.4670	2.7265	3.0133	3.3302	3.6805	4.0675	4.4953	4.9681	5.4905	6.0679	6.7060
0.9040	2.4695	2.7292	3.0163	3.3335	3.6841	4.0716	4.4998	4.9730	5.4960	6.0740	6.7127
0.9050	2.4719	2.7320	3.0193	3.3369	3.6878	4.0757	4.5043	4.9780	5.5015	6.0800	6.7194
0.9060	2.4744	2.7347	3.0223	3.3402	3.6915	4.0798	4.5088	4.9830	5.5070	6.0861	6.7261
0.9070	2.4769	2.7374	3.0254	3.3436	3.6952	4.0838	4.5133	4.9880	5.5125	6.0922	6.7329
0.9080	2.4794	2.7402	3.0284	3.3469	3.6989	4.0879	4.5178	4.9930	5.5180	6.0983	6.7396
0.9090	2.4818	2.7429	3.0314	3.3503	3.7026	4.0920	4.5224	4.9980	5.5235	6.1044	6.7463
0.9100	2.4843	2.7457	3.0344	3.3536	3.7063	4.0961	4.5269	5.0030	5.5291	6.1105	6.7531
0.9110	2.4868	2.7484	3.0375	3.3570	3.7100	4.1002	4.5314	5.0080	5.5346	6.1166	6.7598
0.9120	2.4893	2.7511	3.0405	3.3603	3.7137	4.1043	4.5360	5.0130	5.5401	6.1227	6.7666
0.9130	2.4918	2.7539	3.0436	3.3637	3.7175	4.1084	4.5405	5.0180	5.5457	6.1289	6.7734
0.9140	2.4943	2.7567	3.0466	3.3670	3.7212	4.1125	4.5450	5.0230	5.5512	6.1350	6.7802
0.9150	2.4968	2.7594	3.0497	3.3704	3.7249	4.1166	4.5496	5.0280	5.5568	6.1411	6.7869
0.9160	2.4993	2.7622	3.0527	3.3738	3.7286	4.1208	4.5541	5.0331	5.5623	6.1473	6.7937
0.9170	2.5018	2.7649	3.0558	3.3772	3.7324	4.1249	4.5587	5.0381	5.5679	6.1534	6.8005
0.9180	2.5043	2.7677	3.0588	3.3805	3.7361	4.1290	4.5632	5.0431	5.5735	6.1596	6.8073
0.9190	2.5068	2.7705	3.0619	3.3839	3.7398	4.1331	4.5678	5.0482	5.5791	6.1658	6.8141
0.9200	2.5093	2.7732	3.0649	3.3873	3.7436	4.1373	4.5724	5.0532	5.5846	6.1719	6.8210
0.9210	2.5118	2.7760	3.0680	3.3907	3.7473	4.1414	4.5770	5.0583	5.5902	6.1781	6.8278
0.9220	2.5143	2.7788	3.0711	3.3941	3.7511	4.1456	4.5815	5.0634	5.5958	6.1843	6.8346
0.9230	2.5168	2.7816	3.0742	3.3975	3.7548	4.1497	4.5861	5.0684	5.6014	6.1905	6.8415
0.9240	2.5193	2.7844	3.0772	3.4009	3.7586	4.1539	4.5907	5.0735	5.6070	6.1967	6.8483
0.9250	2.5219	2.7871	3.0803	3.4043	3.7623	4.1580	4.5953	5.0786	5.6126	6.2029	6.8551
0.9260	2.5244	2.7899	3.0834	3.4077	3.7661	4.1622	4.5999	5.0836	5.6183	6.2091	6.8620
0.9270	2.5269	2.7927	3.0865	3.4111	3.7699	4.1663	4.6045	5.0887	5.6239	6.2153	6.8689
0.9280	2.5294	2.7955	3.0896	3.4145	3.7736	4.1705	4.6091	5.0938	5.6295	6.2215	6.8757
0.9290	2.5320	2.7983	3.0927	3.4179	3.7774	4.1747	4.6137	5.0989	5.6351	6.2277	6.8826
0.9300	2.5345	2.8011	3.0957	3.4214	3.7812	4.1789	4.6183	5.1040	5.6408	6.2340	6.8895
0.9310	2.5370	2.8039	3.0988	3.4248	3.7850	4.1830	4.6230	5.1091	5.6464	6.2402	6.8964
0.9320	2.5396	2.8067	3.1019	3.4282	3.7888	4.1872	4.6276	5.1142	5.6521	6.2464	6.9033
0.9330	2.5421	2.8095	3.1051	3.4316	3.7926	4.1914	4.6322	5.1194	5.6577	6.2527	6.9102
0.9340	2.5447	2.8123	3.1082	3.4351	3.7963	4.1956	4.6368	5.1245	5.6634	6.2589	6.9171
0.9350	2.5472	2.8152	3.1113	3.4385	3.8001	4.1998	4.6415	5.1296	5.6690	6.2652	6.9240
0.9360	2.5498	2.8180	3.1144	3.4419	3.8039	4.2040	4.6461	5.1347	5.6747	6.2715	6.9310
0.9370	2.5523	2.8208	3.1175	3.4454	3.8078	4.2082	4.6508	5.1399	5.6804	6.2777	6.9379
0.9380	2.5549	2.8236	3.1206	3.4488	3.8116	4.2124	4.6554	5.1450	5.6861	6.2840	6.9448
0.9390	2.5574	2.8264	3.1237	3.4523	3.8154	4.2166	4.6601	5.1502	5.6918	6.2903	6.9518

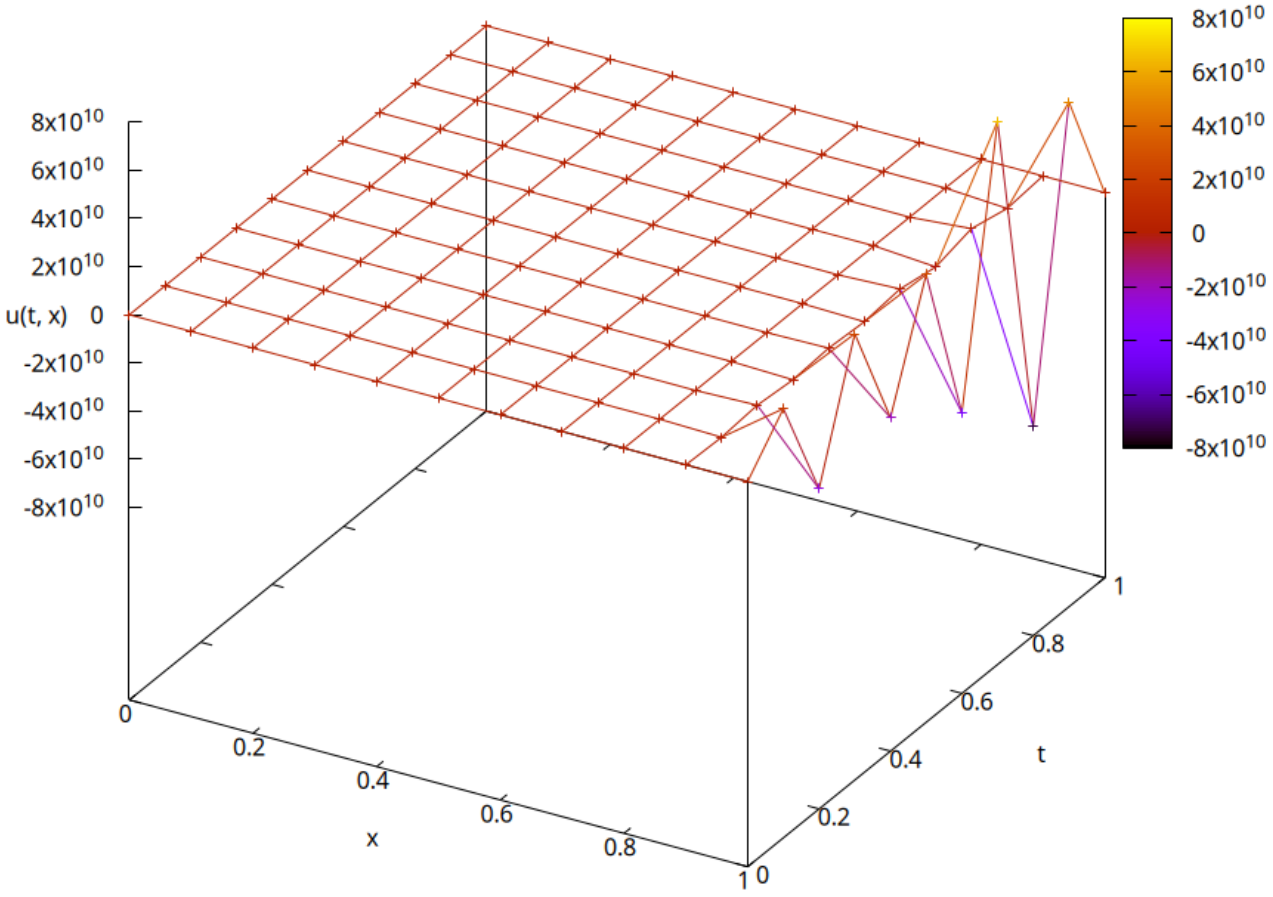
$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.9400	2.5600	2.8293	3.1269	3.4557	3.8192	4.2209	4.6648	5.1553	5.6975	6.2966	6.9588
0.9410	2.5625	2.8321	3.1300	3.4592	3.8230	4.2251	4.6694	5.1605	5.7032	6.3029	6.9657
0.9420	2.5651	2.8349	3.1331	3.4627	3.8268	4.2293	4.6741	5.1656	5.7089	6.3092	6.9727
0.9430	2.5677	2.8378	3.1363	3.4661	3.8307	4.2335	4.6788	5.1708	5.7146	6.3155	6.9797
0.9440	2.5702	2.8406	3.1394	3.4696	3.8345	4.2378	4.6834	5.1760	5.7203	6.3218	6.9866
0.9450	2.5728	2.8435	3.1425	3.4731	3.8383	4.2420	4.6881	5.1812	5.7260	6.3282	6.9936
0.9460	2.5754	2.8463	3.1457	3.4765	3.8422	4.2463	4.6928	5.1863	5.7317	6.3345	7.0006
0.9470	2.5780	2.8491	3.1488	3.4800	3.8460	4.2505	4.6975	5.1915	5.7375	6.3408	7.0076
0.9480	2.5805	2.8520	3.1520	3.4835	3.8499	4.2548	4.7022	5.1967	5.7432	6.3472	7.0146
0.9490	2.5831	2.8548	3.1551	3.4870	3.8537	4.2590	4.7069	5.2019	5.7490	6.3535	7.0217
0.9500	2.5857	2.8577	3.1583	3.4905	3.8576	4.2633	4.7116	5.2071	5.7547	6.3599	7.0287
0.9510	2.5883	2.8606	3.1614	3.4940	3.8614	4.2675	4.7163	5.2123	5.7605	6.3663	7.0357
0.9520	2.5909	2.8634	3.1646	3.4975	3.8653	4.2718	4.7211	5.2176	5.7662	6.3726	7.0428
0.9530	2.5935	2.8663	3.1678	3.5010	3.8692	4.2761	4.7258	5.2228	5.7720	6.3790	7.0498
0.9540	2.5961	2.8692	3.1709	3.5045	3.8730	4.2804	4.7305	5.2280	5.7778	6.3854	7.0569
0.9550	2.5987	2.8720	3.1741	3.5080	3.8769	4.2846	4.7353	5.2332	5.7836	6.3918	7.0639
0.9560	2.6013	2.8749	3.1773	3.5115	3.8808	4.2889	4.7400	5.2385	5.7894	6.3982	7.0710
0.9570	2.6039	2.8778	3.1805	3.5150	3.8847	4.2932	4.7447	5.2437	5.7951	6.4046	7.0781
0.9580	2.6065	2.8807	3.1837	3.5185	3.8886	4.2975	4.7495	5.2490	5.8009	6.4110	7.0851
0.9590	2.6091	2.8835	3.1868	3.5220	3.8925	4.3018	4.7542	5.2542	5.8067	6.4174	7.0922
0.9600	2.6117	2.8864	3.1900	3.5256	3.8963	4.3061	4.7590	5.2595	5.8126	6.4238	7.0993
0.9610	2.6143	2.8893	3.1932	3.5291	3.9002	4.3104	4.7637	5.2647	5.8184	6.4302	7.1064
0.9620	2.6169	2.8922	3.1964	3.5326	3.9041	4.3147	4.7685	5.2700	5.8242	6.4367	7.1135
0.9630	2.6195	2.8951	3.1996	3.5361	3.9081	4.3191	4.7733	5.2753	5.8300	6.4431	7.1207
0.9640	2.6222	2.8980	3.2028	3.5397	3.9120	4.3234	4.7781	5.2805	5.8359	6.4496	7.1278
0.9650	2.6248	2.9009	3.2060	3.5432	3.9159	4.3277	4.7828	5.2858	5.8417	6.4560	7.1349
0.9660	2.6274	2.9038	3.2092	3.5468	3.9198	4.3320	4.7876	5.2911	5.8475	6.4625	7.1421
0.9670	2.6300	2.9067	3.2124	3.5503	3.9237	4.3364	4.7924	5.2964	5.8534	6.4689	7.1492
0.9680	2.6327	2.9096	3.2157	3.5539	3.9276	4.3407	4.7972	5.3017	5.8592	6.4754	7.1563
0.9690	2.6353	2.9125	3.2189	3.5574	3.9316	4.3451	4.8020	5.3070	5.8651	6.4819	7.1635
0.9700	2.6379	2.9154	3.2221	3.5610	3.9355	4.3494	4.8068	5.3123	5.8710	6.4884	7.1707
0.9710	2.6406	2.9183	3.2253	3.5645	3.9394	4.3538	4.8116	5.3176	5.8768	6.4949	7.1779
0.9720	2.6432	2.9213	3.2285	3.5681	3.9434	4.3581	4.8164	5.3230	5.8827	6.5014	7.1850
0.9730	2.6459	2.9242	3.2318	3.5717	3.9473	4.3625	4.8213	5.3283	5.8886	6.5079	7.1922
0.9740	2.6485	2.9271	3.2350	3.5753	3.9513	4.3668	4.8261	5.3336	5.8945	6.5144	7.1994
0.9750	2.6512	2.9300	3.2382	3.5788	3.9552	4.3712	4.8309	5.3389	5.9004	6.5209	7.2066
0.9760	2.6538	2.9330	3.2415	3.5824	3.9592	4.3756	4.8357	5.3443	5.9063	6.5274	7.2138
0.9770	2.6565	2.9359	3.2447	3.5860	3.9632	4.3800	4.8406	5.3496	5.9122	6.5339	7.2210
0.9780	2.6591	2.9388	3.2480	3.5896	3.9671	4.3843	4.8454	5.3550	5.9181	6.5405	7.2283
0.9790	2.6618	2.9418	3.2512	3.5932	3.9711	4.3887	4.8503	5.3603	5.9241	6.5470	7.2355
0.9800	2.6645	2.9447	3.2545	3.5968	3.9751	4.3931	4.8551	5.3657	5.9300	6.5536	7.2427
0.9810	2.6671	2.9477	3.2577	3.6004	3.9790	4.3975	4.8600	5.3711	5.9359	6.5601	7.2500
0.9820	2.6698	2.9506	3.2610	3.6040	3.9830	4.4019	4.8648	5.3765	5.9418	6.5667	7.2572
0.9830	2.6725	2.9536	3.2643	3.6076	3.9870	4.4063	4.8697	5.3818	5.9478	6.5733	7.2645
0.9840	2.6751	2.9565	3.2675	3.6112	3.9910	4.4107	4.8746	5.3872	5.9537	6.5798	7.2718
0.9850	2.6778	2.9595	3.2708	3.6148	3.9950	4.4151	4.8795	5.3926	5.9597	6.5864	7.2790
0.9860	2.6805	2.9625	3.2741	3.6184	3.9990	4.4196	4.8843	5.3980	5.9657	6.5930	7.2863
0.9870	2.6832	2.9654	3.2773	3.6220	4.0030	4.4240	4.8892	5.4034	5.9716	6.5996	7.2936
0.9880	2.6859	2.9684	3.2806	3.6257	4.0070	4.4284	4.8941	5.4088	5.9776	6.6062	7.3009
0.9890	2.6885	2.9714	3.2839	3.6293	4.0110	4.4328	4.8990	5.4142	5.9836	6.6128	7.3082
0.9900	2.6912	2.9743	3.2872	3.6329	4.0150	4.4373	4.9039	5.4196	5.9896	6.6194	7.3155

$t\backslash x$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
0.9910	2.6939	2.9773	3.2905	3.6366	4.0190	4.4417	4.9088	5.4251	5.9956	6.6261	7.3229
0.9920	2.6966	2.9803	3.2938	3.6402	4.0230	4.4461	4.9137	5.4305	6.0016	6.6327	7.3302
0.9930	2.6993	2.9833	3.2971	3.6438	4.0271	4.4506	4.9187	5.4359	6.0076	6.6393	7.3375
0.9940	2.7020	2.9862	3.3004	3.6475	4.0311	4.4551	4.9236	5.4414	6.0136	6.6460	7.3449
0.9950	2.7047	2.9892	3.3037	3.6511	4.0351	4.4595	4.9285	5.4468	6.0196	6.6526	7.3522
0.9960	2.7074	2.9922	3.3070	3.6548	4.0392	4.4640	4.9334	5.4523	6.0256	6.6593	7.3596
0.9970	2.7101	2.9952	3.3103	3.6584	4.0432	4.4684	4.9384	5.4577	6.0316	6.6659	7.3669
0.9980	2.7129	2.9982	3.3136	3.6621	4.0473	4.4729	4.9433	5.4632	6.0377	6.6726	7.3743
0.9990	2.7156	3.0012	3.3169	3.6658	4.0513	4.4774	4.9483	5.4686	6.0437	6.6793	7.3817
1.0000	2.7183	3.0042	3.3202	3.6694	4.0554	4.4819	4.9532	5.4741	6.0498	6.6860	7.3891

Задание 8

Составить отчёт о проделанной работе. График фукнции *u(t, x)*

График зависимости u(t, x)



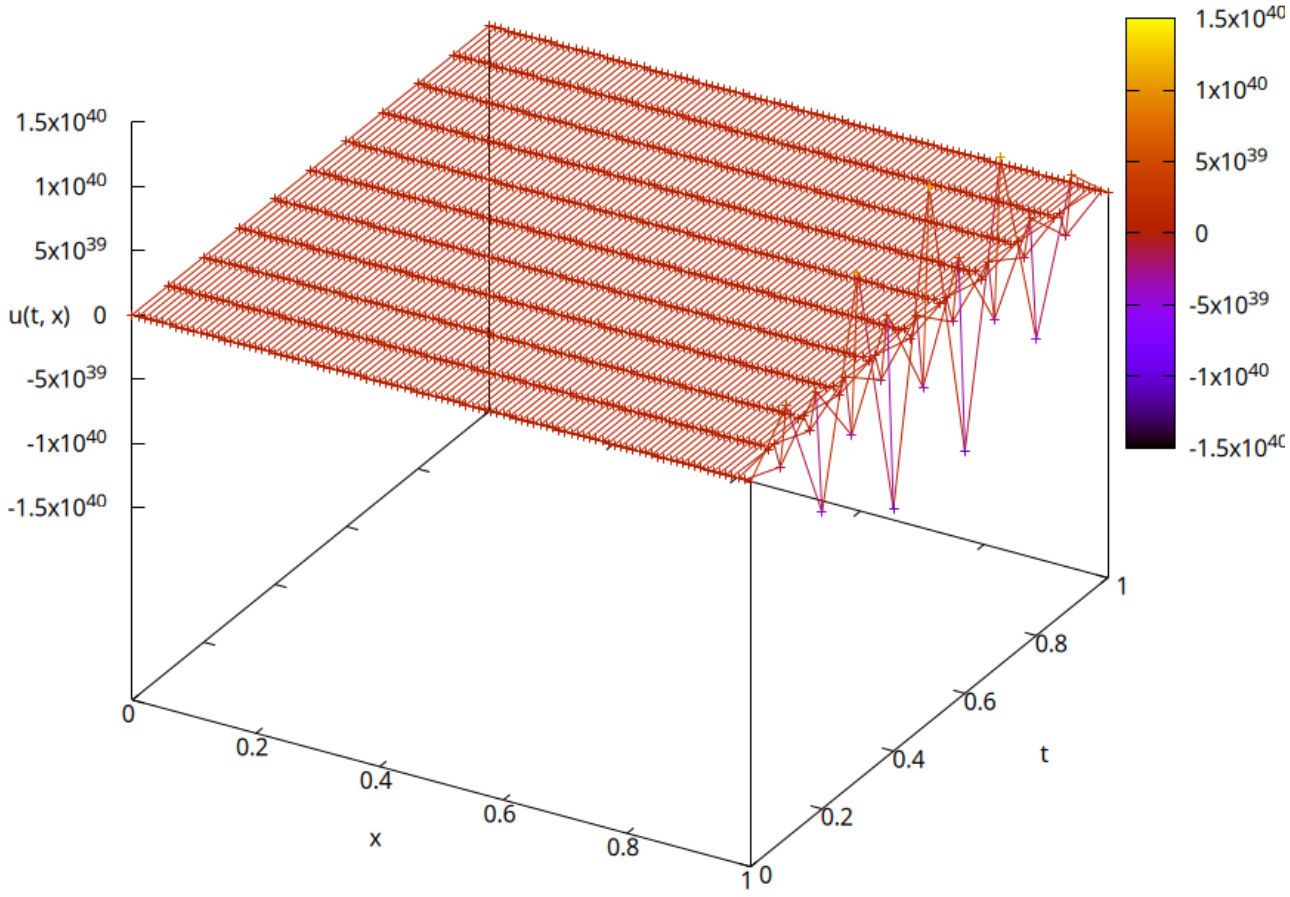


График зависимости u(t, x)
1.5x10^40
1x10^40
5x10^39
u(t, x) 0
-5x10^39
-1x10^40
-1.5x10^40
0
0.2
0.4
0.6
0.8
1
x
t

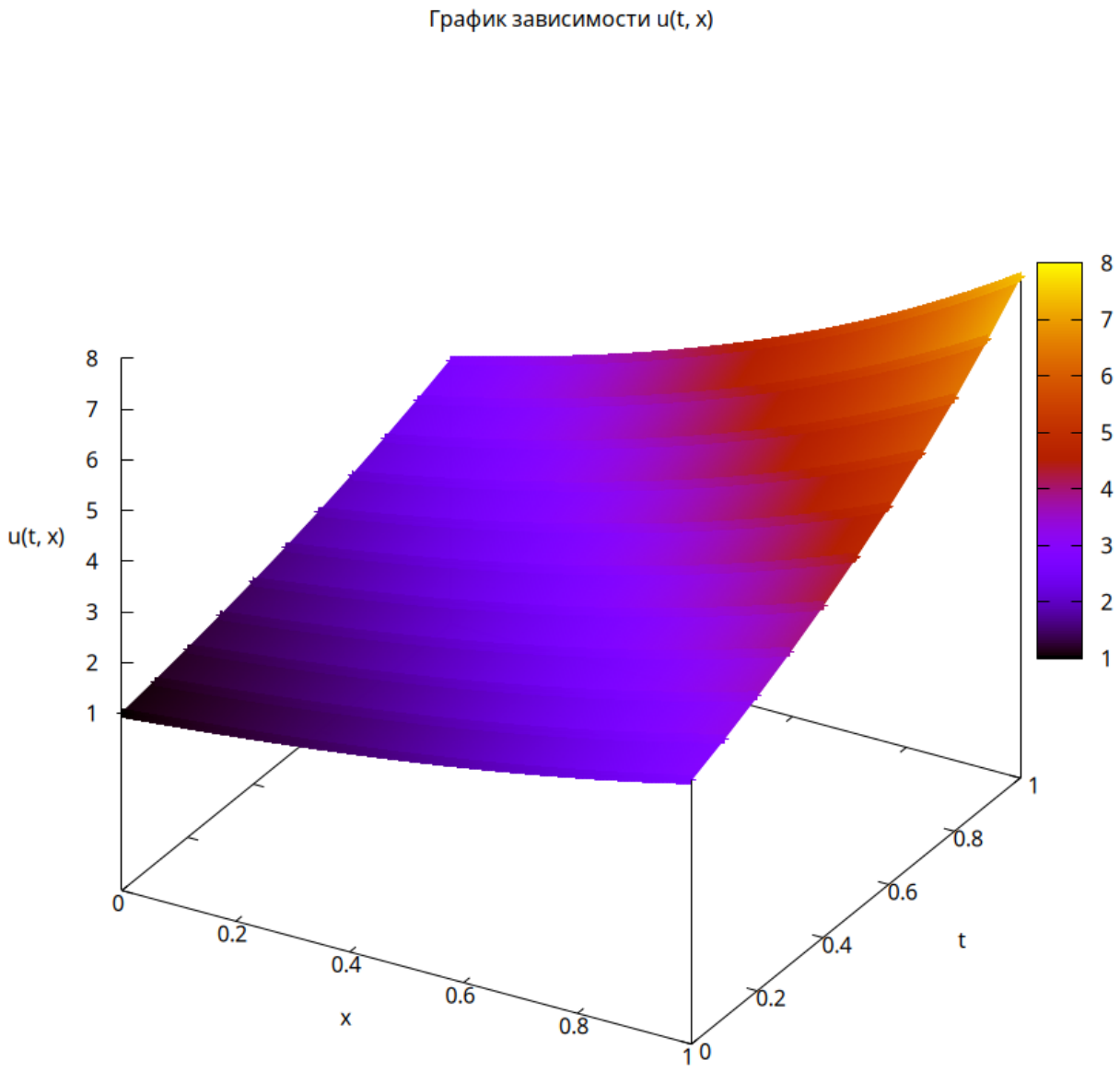


График зависимости u(t, x)
u(t, x)
8
7
6
5
4
3
2
1
0
0.2
0.4
0.6
0.8
1
x
t

Таблица 2: Результаты

$t\backslash x$	0	0.1	0.2
0.0000	1.0000	1.1052	1.2214
0.0100	1.0101	1.1162	1.2336
0.0200	1.0202	1.1274	1.2460
0.0300	1.0305	1.1387	1.2585
0.0400	1.0408	1.1502	1.2710
0.0500	1.0513	1.1616	1.2839
0.0600	1.0618	1.1736	1.2964
0.0700	1.0725	1.1847	1.3103
0.0800	1.0833	1.1981	1.3212
0.0900	1.0942	1.2064	1.3405
0.1000	1.1052	1.2283	1.3377
0.1100	1.1163	1.2145	1.3962
0.1200	1.1275	1.2980	1.2821
0.1300	1.1388	1.1117	1.6643
0.1400	1.1503	1.6915	0.6041
0.1500	1.1618	0.0628	3.7750
0.1600	1.1735	4.8740	-5.5318
0.1700	1.1853	-9.2323	22.0762
0.1800	1.1972	32.4938	-59.6836
0.1900	1.2092	-90.9801	182.6833
0.2000	1.2214	274.8727	-535.1198
0.2100	1.2337	-808.7710	1588.8526
0.2200	1.2461	2398.8573	-4688.0387
0.2300	1.2586	-7085.6499	13837.4807
0.2400	1.2712	20924.3893	-40764.5994
0.2500	1.2840	-61687.7174	119957.5166
0.2600	1.2969	181646.5180	-352534.2630
0.2700	1.3100	-534179.4841	1034854.5845
0.2800	1.3231	1569035.3785	-3034484.5948
0.2900	1.3364	-4603518.6502	8889160.2402
0.3000	1.3499	13492680.2268	-26016094.6806
0.3100	1.3634	-39508773.5576	76079026.7102
0.3200	1.3771	115587801.6312	-222311669.4703
0.3300	1.3910	-337899469.7244	649179673.6165
0.3400	1.4049	987079144.7319	-1894528913.1641
0.3500	1.4191	-2881608056.4910	5525825628.6699
0.3600	1.4333	8407433686.5799	-16109287826.0390
0.3700	1.4477	-24516721511.1856	46941845660.2495
0.3800	1.4623	71458567172.8828	-136731327619.3129
0.3900	1.4770	-208189894790.7334	398123185609.6533
0.4000	1.4918	606313080401.8635	-1158842157724.5168
0.4100	1.5068	-1765155238124.8884	3372117674718.8418
0.4200	1.5220	5137272912845.2354	-9809923117745.9883
0.4300	1.5373	-14947196030589.6992	28531491677380.3320
0.4400	1.5527	43478687707971.5625	-82964009407478.0000
0.4500	1.5683	-126442697115447.9688	241196338624154.0625
0.4600	1.5841	367639035739603.5000	-701093305044876.0000
0.4700	1.6000	-1068732340784477.7500	2037570383795315.5000
0.4800	1.6161	3106302724579794.0000	-5920902506935636.0000
0.4900	1.6323	-9027205231515426.0000	17203143378551088.0000
0.5000	1.6487	26230348610066504.0000	-49977878791999392.0000
0.5100	1.6653	-76208227402065888.0000	145178696638194208.0000
0.5200	1.6820	221386924040260064.0000	-421684352412477568.0000
0.5300	1.6989	-643071276452737408.0000	1224716608896869376.0000
0.5400	1.7160	1867787885349606400.0000	-3556729753171045376.0000
0.5500	1.7333	-5424517638520649728.0000	10328482466510262272.0000
0.5600	1.7507	15753000105030907904.0000	-29991312999967272960.0000