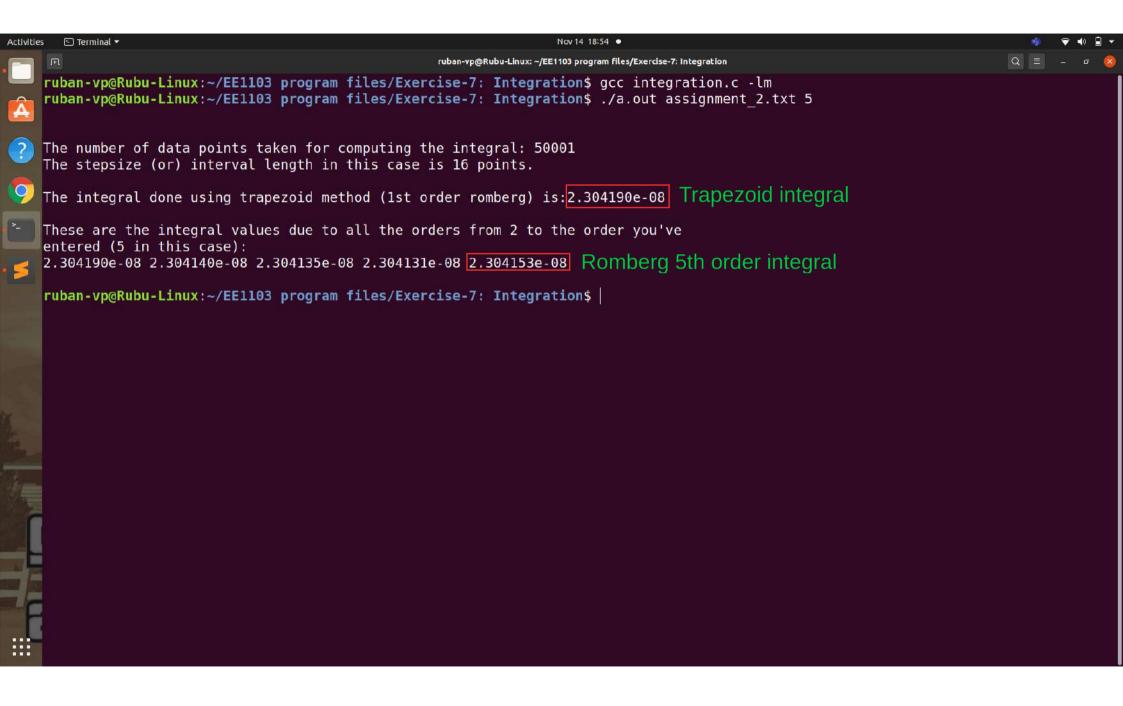
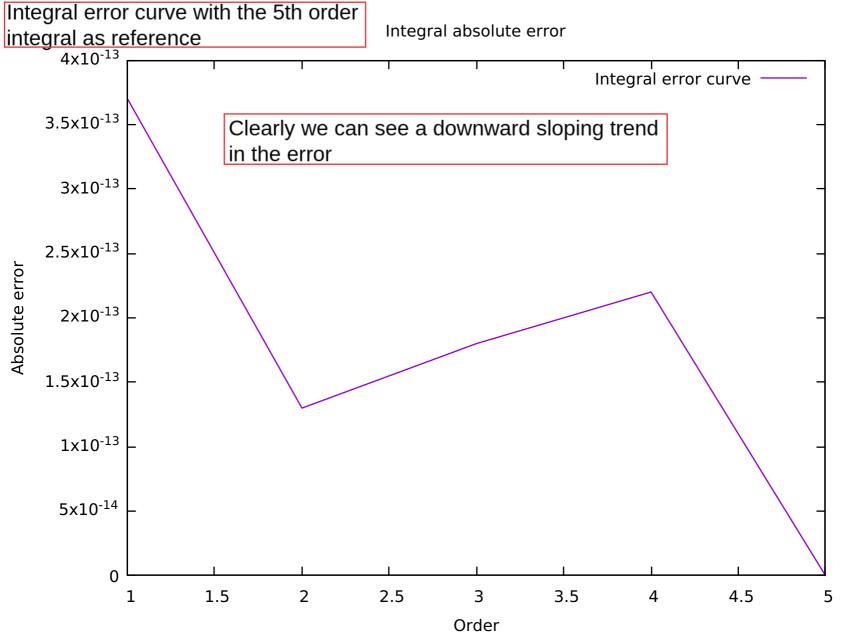
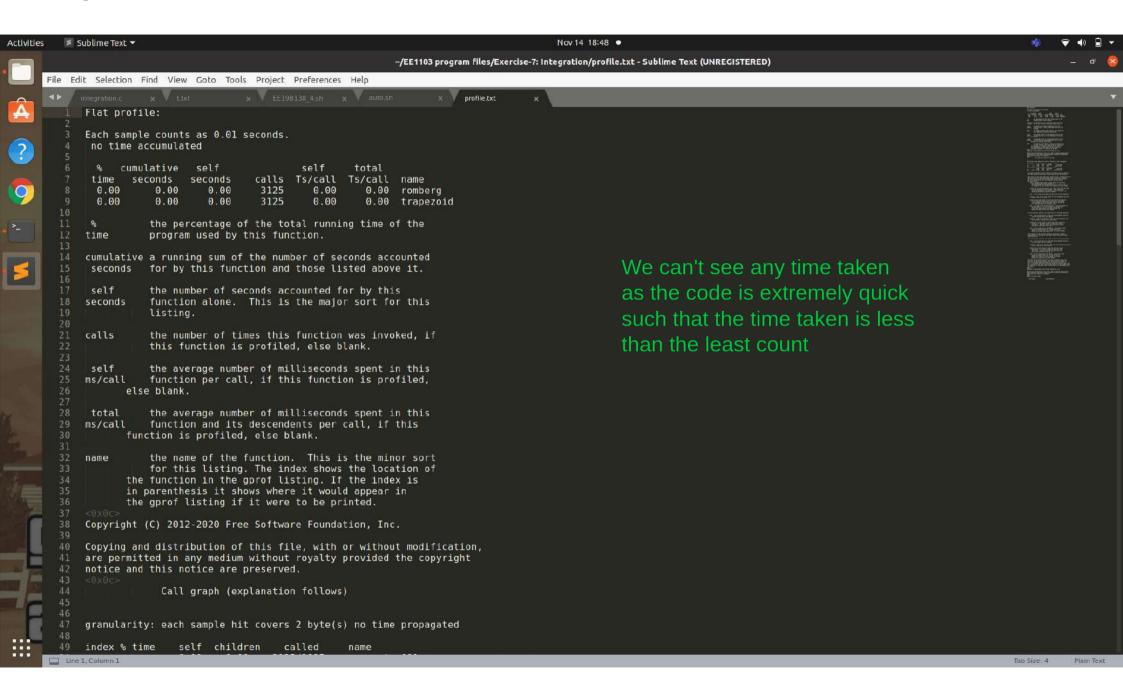
The Trapezoid and Romberg integrals are calculated for order 5 and displayed





Profiling data: For order=5





~/EE1103 program files/Exercise-7: Integration/profile.txt - Sublime Text (UNREGISTERED)

	File F	Edit Selection	n Find	View Go	to Tools Pr	oject Preferenc	ces Help					
Â	<> /	integration.c		L.txt	×	EE198138_4.sh	x V auto.sh	×	profile.txt	×	(
	49	index %	time	self	children	called 3125/3125	name					
	20			0.00	0.00	3123/3123	main [8]					

romberg [1]

trapezoid [2]

main [8]





0.0

0.00

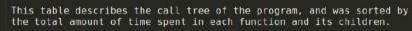
0 00

0.00

0.00

[1]





3125

3125

3125/3125



Each entry in this table consists of several lines. The line with the index number at the left hand margin lists the current function. The lines above it list the functions that called this function, and the lines below it list the functions this one called. This line lists:

index A unique number given to each element of the table. Index numbers are sorted numerically. The index number is printed next to every function name so it is easier to look up where the function is in the table.

% time This is the percentage of the `total' time that was spent in this function and its children. Note that due to different viewpoints, functions excluded by options, etc, these numbers will NOT add up to 100%.

self This is the total amount of time spent in this function.

children This is the total amount of time propagated into this function by its children.

called This is the number of times the function was called. If the function called itself recursively, the number only includes non-recursive calls, and is followed by a `+' and the number of recursive calls.

name The name of the current function. The index number is printed after it. If the function is a member of a cycle, the cycle number is printed between the function's name and the index number.

For the function's parents, the fields have the following meanings:

self This is the amount of time that was propagated directly from the function into this parent.

children This is the amount of time that was propagated from the function's children into this parent.

170 1199 L

Line 1, Column 1

Tab Size: 4 Plain Text

■ Sublime Text ▼ Nov 14 18:49 • Activities ~/EE1103 program files/Exercise-7: Integration/profile.txt - Sublime Text (UNREGISTERED) File Edit Selection Find View Goto Tools Project Preferences Help called This is the number of times this parent called the 20 PH PE function '/' the total number of times the function was called. Recursive calls to the function are not included in the number after the '/'. name This is the name of the parent. The parent's index number is printed after it. If the parent is a member of a cycle, the cycle number is printed between the name and the index number. If the parents of the function cannot be determined, the word '<spontaneous>' is printed in the `name' field, and all the other fields are blank. For the function's children, the fields have the following meanings: self This is the amount of time that was propagated directly from the child into the function. children This is the amount of time that was propagated from the child's children to the function. called This is the number of times the function called this child '/' the total number of times the child was called. Recursive calls by the child are not listed in the number after the '/'. name This is the name of the child. The child's index number is printed after it. If the child is a member of a cycle, the cycle number is printed between the name and the index number. If there are any cycles (circles) in the call graph, there is an entry for the cycle-as-a-whole. This entry shows who called the cycle (as parents) and the members of the cycle (as children.) The `+' recursive calls entry shows the number of function calls that were internal to the cycle, and the calls entry for each member shows, for that member, how many times it was called from other members of the cycle. Copyright (C) 2012-2020 Free Software Foundation, Inc. Copying and distribution of this file, with or without modification, are permitted in any medium without royalty provided the copyright notice and this notice are preserved. Index by function name

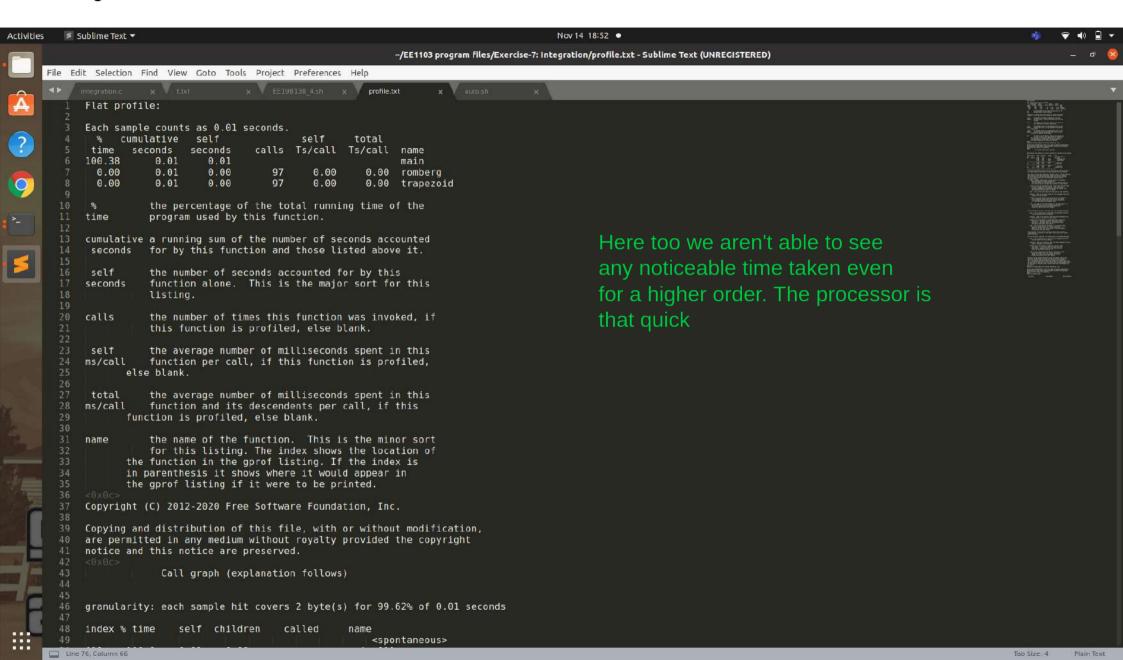
Line 1, Column 1

[1] romberg

[2] trapezoid

Tab Size: 4 Plain Text

Profiling data: For order=10



Activities Sublime Text ▼ Nov 14 18:52 • ~/EE1103 program files/Exercise-7: Integration/profile.txt - Sublime Text (UNREGISTERED) File Edit Selection Find View Goto Tools Project Preferences Help x profile.txt <spontaneous> [1] 100.0 0.01 0.00 main [1] 0.00 0.00 97/97 trapezoid [3] 0.00 0.00 97/97 romberg [2] 0.00 0.00 97/97 main [1] [2] 0.00 0.00 97 romberg [2] 0.0 0.00 97/97 0.00 main [1] 0.0 0.00 0.00 97 trapezoid [3] This table describes the call tree of the program, and was sorted by the total amount of time spent in each function and its children. Each entry in this table consists of several lines. The line with the index number at the left hand margin lists the current function. The lines above it list the functions that called this function, and the lines below it list the functions this one called. This line lists: index A unique number given to each element of the table. Index numbers are sorted numerically. The index number is printed next to every function name so it is easier to look up where the function is in the table. % time This is the percentage of the `total' time that was spent in this function and its children. Note that due to different viewpoints, functions excluded by options, etc, these numbers will NOT add up to 100%. self This is the total amount of time spent in this function. children This is the total amount of time propagated into this function by its children. called This is the number of times the function was called. If the function called itself recursively, the number only includes non-recursive calls, and is followed by a `+' and the number of recursive calls. name The name of the current function. The index number is

self This is the amount of time that was propagated directly Line 13, Column 45

printed after it. If the function is a member of a cycle, the cycle number is printed between the

For the function's parents, the fields have the following meanings:

function's name and the index number.

Tab Size: 4 Plain Text





File Edit Selection Find View Goto Tools Project Preferences Help

self This is the amount of time that was propagated directly from the function into this parent.

children This is the amount of time that was propagated from the function's children into this parent.

x EE198138 4.5h x profile.txt

called This is the number of times this parent called the function \(\) ' the total number of times the function was called. Recursive calls to the function are not included in the number after the '/'.

name This is the name of the parent. The parent's index number is printed after it. If the parent is a member of a cycle, the cycle number is printed between the name and the index number.

If the parents of the function cannot be determined, the word '<spontaneous>' is printed in the 'name' field, and all the other fields are blank.

For the function's children, the fields have the following meanings:

self This is the amount of time that was propagated directly from the child into the function.

children This is the amount of time that was propagated from the child's children to the function.

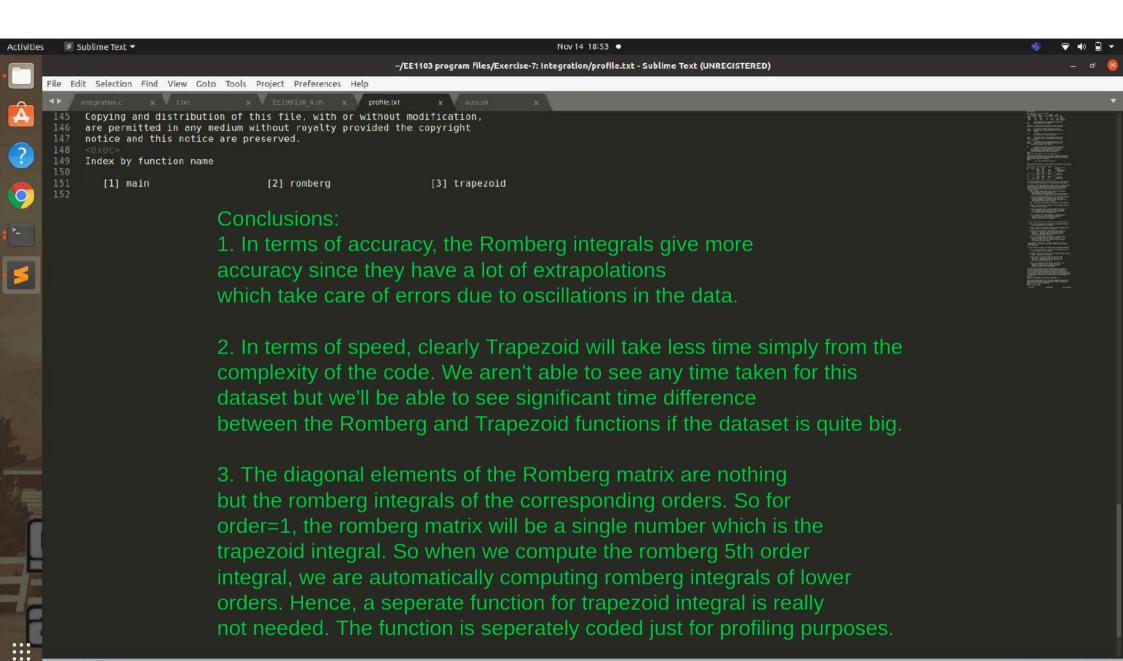
called This is the number of times the function called this child '/' the total number of times the child was called. Recursive calls by the child are not listed in the number after the '/'.

name This is the name of the child. The child's index number is printed after it. If the child is a member of a cycle, the cycle number is printed between the name and the index number.

If there are any cycles (circles) in the call graph, there is an entry for the cycle-as-a-whole. This entry shows who called the cycle (as parents) and the members of the cycle (as children.) The `+' recursive calls entry shows the number of function calls that were internal to the cycle, and the calls entry for each member shows, for that member, how many times it was called from other members of the cycle.

Copyright (C) 2012-2020 Free Software Foundation, Inc.

Copying and distribution of this file, with or without modification,



Line 13, Column 45 Tab Size: 4 Pfain Tex