Sum-of-divisors lab grading

17 WRITING

10 writing style

2 introduction presents single theme, appropriate to lab (why should the reader care?)

1 introduction outlines structure of report (road map)

1 paper’s theme reflected in structure of report

2 conclusion pulls together paper, reiterates theme

3 paragraphs have clear point, well-organized

1 provide adequate transition from section to section

2 organization and structure of report

Is the structure apparent (for example, are sections well marked?)

Is the structure logical?

5 spelling, grammar, sentence structure

35 CODE

20 correct code (4 points for adequate testing)

7 clear code (appropriate comments, clear names, fixed-width font, indented properly, what does each procedure compute? and how?)

8 descriptions of code & testing, explanation of why code works

20 ANALYSIS OF ALGORITHMS: Correct Θ analysis of runtime, and clearly justified.

5 book’s sum-of-divisors

5 improved sum-of-divisors

5 ratio procedures using book’s sum-of-divisors

5 ratio procedures using improved sum-of-divisors (technique on page 81 properly applied.)

28 DATA COLLECTION AND CORRELATION WITH ANALYSIS

8 collected the data

12 reasonably presented - table (or, perhaps, a graph)

-2 axes or table headings not very clear

-1 units not specified

-2 timing data for two versions of sum-of-divisors placed in separate tables

-1 too many significant figures

8 data tied to the algorithmic analysis (why should the timing ratios be what they are?)

TOTAL