

____ 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**