

Exam Number 2 for 18.385j/2.036j

MIT, Department of Mathematics, Cambridge, MA 02139.

INSTRUCTIONS and RULES: same as those for the first exam.

Problem #1 (35 POINTS).

--- Do the "Balancing a Broom" problem (posted on the WEB page).

Problem #2 (20 POINTS)

--- Do the "Coastline Fractal" problem (posted on the WEB page).

Problem #3 (25 POINTS)

--- Do problem 8.6.3 of the book by Strogatz.

Problem #4 (20 POINTS)

--- Do problem 9.6.2 of the book by Strogatz.

The points are assigned more-or-less on the basis of the degree of difficulty, and/or length of the problem (in my estimation).