Rubric for MANE 4280/6710 Project #4

Criterion	Excellent 4	Good 3	Fair 2	Unacceptable 1	Weight
Methods	Methods are implemented correctly and efficiently; stress mean and standard deviation computed using stochastic collocation; complex-step is used	Many methods are coded well with only a few errors; stress mean and standard deviation have minor errors; complex-step is implemented, but not efficiently	Methods have substantial errors and use brute force; stress statistics not computed correctly; complex-step method is not implemented correctly	Numerical methods are not coded correctly and/or incorrect methods are used; stress statistics are not computed; complex-step method not used	× 3
Matlab Code	Code is easy to read; comments are clear and helpful; inline and subroutine-header documentation is used; code is modular	Code is fairly easy to read; comments are included and often helpful; header documentation is used	Reading code is difficult and few comments are used; limited use of modularity	No comments are used and code is very difficult to understand.	× 1
Results	Results are correct; optimal spar weight is 70% lower than nominal; all constraints satisfied	Minor errors, but most of the results are correct; optimal spar weight is 60% lower than nominal; at most 1 constraint not satisfied	Results have several errors; optimal spar weight is 50% lower than nominal; at most 2-5 constraints not satisfied	Results are not correct; optimal weight 0-50% lower than nominal weight; greater than 5 constraints not satisfied	× 2
Report	Report is very well written; flow is logical; results are easy to find; text has no spelling mistakes and few grammatical errors; stress statistics plot is clear	Report quality is good; results are generally displayed well; text has few spelling mistakes and number of grammatical errors is limited; stress statistics plot is ok	Report is acceptable; results are included but difficult to find; text has several spelling and grammatical errors; stress statistics plot is unclear	Report is poorly written; some results are missing; text has many spelling and grammatical errors; report is not typed; stress statistics plot is missing	× 2

Mark /32

| **Delievery** | Report and code handed-in on or before due date | Report and code were handed in less than two days late | Report and code were delivered within a week, but more than two days of due date | Report and code were not handed in within a week of due date | |
| **Penalty** | 0% | 10% | 25% | 100% | |

Assignment Grade /32