

Computational Assignment 2

Criteria	Ratings													Pts	
Git Commits at least 3 commits to B tbucket with comments	2 pts Full Marks			1 pts Missing Comments or Commits Either less than 3 commits, or commits without comments.								0 pts No Marks		2 pts	
Submission on Canvas Link to final Commit submitted through Canvas assignment submission	1 pts Full Marks							0 pts No Marks						1 pts	
All files in repository .m file and .html file in repository	2 pts Full Marks			1 pts Missing .html file .html file missing from repository.					1 pts Missing one file Missing .m file in repository				0 pts No Marks		2 pts
System of ODEs.m File is named correctly	2 pts Full Marks							0 pts No Marks						2 pts	
Function output system of ODEs(varargin) first line of code matches specifications	3 pts Full Marks							0 pts No Marks						3 pts	
vargin for desired quantities	14 pts Full Marks	12 pts Cell notations Used cell notations instead of vector	12 pts Missing single quantity One of input arguments not correctly overwriting	10 pts 2 Arguments incorrect 2 of the input arguments not correctly overwr ting	10 pts Inccorrect formatting Used Cell2mat or varargin()	8 pts 3 Incorrect arguments 3 inputs not correctly overwriting	8 pts Incorrect vector inputs C is not a vector and 7 inputs	6 pts 3 Input arguments correct Only 3 of the input arguments are correctly processing as desired, overwr ting default options.	6 pts Inccorrect vector and cell notation C is not a vector & 7 inputs, and used cell notation	4 pts only 2 inputs correctly processing Only 2 input arguments are correctly overwriting as desired.	2 pts Only 1 correct argument Only 1 input argument is correctly overwriting	0 pts No Marks	14 pts		
Correct Default values Correctly coded default values within code if user does not specify alternate value	14 pts Full Marks	12 pts 6 initial inputs correct		10 pts 5 initial inputs correct		8 pts 4 initial inputs correct		6 pts 3 initial inputs correct		4 pts 2 initial inputs correct		2 pts 1 initial input correct	0 pts No Marks	14 pts	
dCA/dt Used correctly, without unnecessary duplication.	12 pts Full Marks			10 pts Unnecessary duplication unnecessary duplication of dCA/dt term					6 pts Only used once Missing dCA/dt term			0 pts No Marks		12 pts	
dCB/dt used correctly Used term correctly without unnecessary duplication	18 pts Full Marks		16 pts Unnecessary duplication of term Had dCB/dt in places it wasn t required				12 pts Missing dCB/dt only 2 usages of dCB/dt			6 pts Only 1 usage of term Missing 2 usages of dCB/dt			0 pts No Marks	18 pts	
Output vector output [dCAdt;dCBdt]	6 pts Full Marks			3 pts output is not column vector						0 pts Not named output				6 pts	
Return default values Return dCAdt, dCBdt at defau t values if no values provided	6 pts Full Marks							0 pts No Marks						6 pts	
.html equations .html file contains equations from assignment, properly formatted	5 pts Full Marks							0 pts No Marks						5 pts	
.html Comments .html file contains sufficient comments throughout	2 pts Full Marks							0 pts No Marks						2 pts	
.html comments .html file contains a statement of purpose for the code	1 pts Full Marks							0 pts No Marks						1 pts	

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.html author .html file contains proper author declaration	1 pts Full Marks		0 pts No Marks		1 pts
.html input and output .html file contains input and output parameters, noted w th comments	2 pts Full Marks		0 pts No Marks		2 pts
Descriptive names in .html file .html file contains descriptive variable names, for clarity of user.	6 pts Full Marks	4 pts Somewhat descriptive names	2 pts Mildly descriptive names	0 pts No Marks	6 pts
.html indentation .html file shows sufficient indentation	1 pts Full Marks		0 pts No Marks		1 pts
.html units Units are commented in the .html file	1 pts Full Marks		0 pts No Marks		1 pts
Semicolons in code .html file shows sufficient semicolons to suppress unnecessary outputs	1 pts Full Marks		0 pts No Marks		1 pts
Total Points: 100					